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OM nucleic - nucleic search, using SW model

Run on: April 4, 2003, 19:22:42 ; Search time 87.942 Seconds  
(without alignments)  
6074.810 Million cell updates/sec

Title: US-09-719-748-1  
Perfect score: 1742  
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Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381.residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
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2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
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6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1042.2	59.8	1864	3	US-09-221-235-10 Sequence 10, Appl
2	1042.2	59.8	1864	3	US-09-221-928-10 Sequence 10, Appl
3	1042.2	59.8	1864	3	US-09-221-527-10 Sequence 10, Appl
4	1042.2	59.8	1864	3	US-09-221-236-10 Sequence 10, Appl
5	1042.2	59.8	1864	3	US-09-221-416-10 Sequence 10, Appl
6	1042.2	59.8	1864	4	US-09-221-245-10 Sequence 10, Appl
7	1042.2	59.8	1864	4	US-09-163-115-10 Sequence 10, Appl
8	1042.2	59.8	1864	4	US-09-163-115-10 Sequence 10, Appl
9	1042.2	59.8	1864	4	US-09-593-553-10 Sequence 10, Appl
10	1042.2	59.8	1864	4	US-09-221-237-10 Sequence 10, Appl
11	515.6	29.6	2132	2	US-09-159-385-3 Sequence 3, Appl
12	515.6	29.6	2132	4	US-09-186-277-3 Sequence 4, Appl
13	513.8	29.5	1429	2	US-09-159-385-4 Sequence 4, Appl
14	513.8	29.5	1429	4	US-09-186-277-4 Sequence 4, Appl
15	449.4	25.8	4935	2	US-08-631-097-3 Sequence 3, Appl
16	449.4	25.8	5886	4	US-08-810-712-9 Sequence 9, Appl
17	445.4	25.6	480	3	US-09-221-235-12 Sequence 12, Appl
18	445.4	25.6	480	3	US-09-221-928-12 Sequence 12, Appl
19	445.4	25.6	480	3	US-09-221-527-12 Sequence 12, Appl
20	445.4	25.6	480	3	US-09-221-236-12 Sequence 12, Appl
21	445.4	25.6	480	4	US-09-221-416-12 Sequence 12, Appl
22	445.4	25.6	480	4	US-09-221-245-12 Sequence 12, Appl
23	445.4	25.6	480	4	US-09-163-115-12 Sequence 12, Appl
24	445.4	25.6	480	4	US-09-221-528-12 Sequence 12, Appl
25	445.4	25.6	480	4	US-09-593-553-12 Sequence 12, Appl
26	445.4	25.6	480	4	US-09-221-237-12 Sequence 12, Appl
27	146.8	8.4	1282	2	US-08-878-989-12 Sequence 12, Appl

28	146.8	8.4	1282	4	US-09-272-796-12 Sequence 12, Appl
29	136.6	7.8	8906	2	US-08-826-267-1 Sequence 1, Appl
30	134	7.7	1417	1	US-08-713-828-2 Sequence 2, Appl
31	134	7.7	1417	2	US-08-919-627-2 Sequence 2, Appl
32	134	7.7	1417	2	US-09-096-245-2 Sequence 2, Appl
33	132.2	7.6	3471	2	US-08-715-568A-2 Sequence 2, Appl
34	113.2	6.5	2908	4	US-09-930-181-1 Sequence 4, Appl
35	107.6	6.2	425	1	US-08-700-575-44 Sequence 10, Appl
36	105	6.0	1776	3	US-08-655-352-10 Sequence 10, Appl
37	105	6.0	1776	4	US-09-258-016-10 Sequence 10, Appl
38	105	6.0	1776	4	US-09-257-825B-10 Sequence 10, Appl
39	104.4	6.0	2637	4	US-09-735-934A-1 Sequence 1, Appl
40	104	6.0	2061	4	US-09-800-960-1 Sequence 1, Appl
41	101.8	5.8	2514	3	US-08-655-352-1 Sequence 1, Appl
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43	101.8	5.8	2514	4	US-09-257-825B-1 Sequence 1, Appl
44	100.8	5.8	3364	4	US-09-930-181-3 Sequence 3, Appl
45	96.8	5.6	2374	4	US-09-347-801-3 Sequence 3, Appl

## ALIGNMENTS

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RESULT 1
US-09-221-235-10
; Sequence 10, Application US/09221235
; Patent No. 6043040
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221.235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275) .. (754)
US-09-221-235-10

Query Match      59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCCTTTAAGTGGAGCATCCCTTCTCTGGAGAGACAGAACGAGAAACACTGGCAATA 746
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QY 747 TCACATCAGTGGAGTACACCTTGTATGAGAAATCTTGCAGCCATACGACGAGCTGGCCA 806
DB 360 TCACAGCAGTGGAGTACACCTTGTATGAGAAATCTTGCAGCCATACGACGAGCTGGCCA 419
QY 807 AGGACTTTATTCGAGAGCTTGTGTTAAAGAGACCCGAAACGGCTCAATCCAAAGG 866
DB 420 AGGACTTTATTCGAGAGCTTGTGTTAAAGAGACCCGAAACGGCTCAATCCAAAGG 479
QY 867 CTCTTAGACACCCCTGGATCAGCGCGGTGGACAAACAGCAAGCCATGTGTGACGAGAGT 926
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RESULT 2  
US-09-221-928-10

; Sequence 10, Application US/09221928

; Patent No. 6121030

; GENERAL INFORMATION:

; APPLICANT: Acton, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MNI-050

; CURRENT APPLICATION NUMBER: US/09/221,928

; CURRENT FILING DATE: 1998-12-28

; EARLIER APPLICATION NUMBER: 09/163,115

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 10

; LENGTH: 1864

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE: CDS

; NAME/KEY: (275) .. (754)

; LOCATION: (275) .. (754)

US-09-221-928-10

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Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Db 1320 TTGTCTCATTTTATTAACCTTGTTTACCTGA 1354

## RESULT 3

US-09-221-527-10  
; Sequence 10, Application US/09221527  
; Patent No. 6146832  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMI-050  
; CURRENT APPLICATION NUMBER: US/09/221,527  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 1864  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (275) .. (754)  
US-09-221-527-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;

Best Local Similarity 99.2%; Pred. No. 2,66-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Db 300 TCAGCTTAAGTGAAGCATCCCTTTCTGGAGACACAGAACAGAAACACTGGCAATA 359  
Qy 747 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 806  
Db 360 TCACAGCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 419  
Qy 807 AGGACTTTATTCGGAAGTTCGTTAAAGAACCCGGAACCGCTCAATCCAAAGAG 866  
Db 420 AGGACTTTATTCGGAAGTTCGTTAAAGAACCCGGAACCGCTCAATCCAAAGAG 479  
Qy 867 CTCTCAGACACCCCTGATCAAGCCGCTGAGCAACCAAGCCATGCTGCGACGGAGT 926  
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Qy 927 CTGTGTCATCTGAGAACTTCAGAAAGAGTATGTCGAGCGGCTGGAAGCTTTCT 986  
Db 540 CTGTGTCATCTGAGAACTTCAGAAAGAGTATGTCGAGCGGCTGGAAGCTTTCT 599  
Qy 987 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1046  
Db 600 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 659  
Qy 1047 GAGCGAGTGAAGACCTGAGAACTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1106  
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Db 1320 TTGTCTCATTTTATTAACCTTGTTTACCTGA 1354

## RESULT 4

US-09-221-236-10  
; Sequence 10, Application US/09221236  
; Patent No. 6146841  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMI-050  
; CURRENT APPLICATION NUMBER: US/09/221,236  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 1864  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (275) .. (754)  
US-09-221-236-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;

Best Local Similarity 99.2%; Pred. No. 2,66-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAAGCATCCCTTTCTGGAGACACAGAACAGAAACACTGGCAATA 746  
Db 300 TCAGCTTAAGTGAAGCATCCCTTTCTGGAGACACAGAACAGAAACACTGGCAATA 359  
Qy 747 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 806  
Db 360 TCACAGCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 419  
Qy 807 AGGACTTTATTCGGAAGTTCGTTAAAGAACCCGGAACCGCTCAATCCAAAGAG 866  
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Sequence 10, Application US/09221245  
Patent No. 6180358  
GENERAL INFORMATION:  
APPLICANT: Acton, Susan  
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
FILE REFERENCE: MNI-050  
CURRENT APPLICATION NUMBER: US/09/221,245  
CURRENT FILING DATE: 1998-12-28  
EARLIER APPLICATION NUMBER: US 09/163,115  
EARLIER FILING DATE: 1998-09-29  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 10  
LENGTH: 1864  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (275) .. (754)  
US-09-221-245-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;  
Best Local Similarity 99.2%; Pred. No. 2.6e-270;  
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGGAGCATCCCTTCTGAGGAGACCAAGAGAGAACTGGCAATA 746  
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Qy 747 TCACATCAGTAGTATGACATTTGATGAGAAATCTTCAGCCATCGAGCGAGTGGCA 806  
Db 360 TCACGACGATGATGACATTTGATGAGAAATCTTCAGCCAGACGAGCGAGTGGCA 419  
Qy 807 AGGACTTATTTCGGAAGCTTCTGTTAAAGAACCCGGAACGGCTCACAATCCAAGAG 866  
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Db 480 CTCACAGACACCCCTGATCAAGCCGGGTGAGAAACCAAGCAAGCATGTGTGCAAGGAGT 539  
Qy 927 CTGTGTCATATGAGAACTTCAGAGAACAGTATGTCCGACGAGGCGTGAAGCTTTCT 986  
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Db 1320 TTTGCTCATTTTATTAACTTCTGTGTTTACCTGA 1354

## RESULT 7

US-09-163-115-10  
Sequence 10, Application US/09163115A  
Patent No. 6183962  
GENERAL INFORMATION:  
APPLICANT: Acton, Susan  
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
FILE REFERENCE: MNI-050  
CURRENT APPLICATION NUMBER: US/09/163,115A  
CURRENT FILING DATE: 1998-09-29  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 10  
LENGTH: 1864  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (275) .. (754)  
US-09-163-115-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;  
Best Local Similarity 99.2%; Pred. No. 2.6e-270;  
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGGAGCATCCCTTCTGAGGAGACCAAGAGAGAACTGGCAATA 746  
Db 300 TCAGCTTAAGTGGAGCATCCCTTCTGAGGAGACCAAGAGAGAACTGGCAATA 359  
Qy 747 TCACATCAGTAGTATGACATTTGATGAGAAATCTTCAGCCATCGAGCGAGTGGCA 806  
Db 360 TCACGACGATGATGACATTTGATGAGAAATCTTCAGCCAGACGAGCTGGCA 419  
Qy 807 AGGACTTATTTCGGAAGCTTCTGTTAAAGAACCCGGAACGGCTCACAATCCAAGAG 866

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Db 420 AGGACTTTATTCGGAAGCTTCTGTTAAAGAGACCGGAAAGGCTCACATCTCAAGAG 479
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Qy 927 CTGTGTCATCTGAGAACTTCAGAGAGCATGTATCCGACAGCGGTGGAAGCTTCTCT 986
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Qy 987 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGTATGAAAGAGTGCACCTGA 1046
Db 600 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGTATGAAAGAGTGCACCTGA 659
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Db 660 GGGCCGATGAGGACCTGAGAACTGTGAGATGACACTGAGAGAGCAATCCGACAGAGA 719
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Db 720 AAGCCCTCCACCCACGAGAGAGAGAGAGACCTCTAACTGGCCCTGACCTGACAGTGGCCG 779
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Db 780 CCAAGGAGGTTTGGGCCCCAGCGGGGCTCCCTTCTGTGCAACCTTTTGAACCAAGCTCAGC 839
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Db 1260 AGCTGACCAACACTCAGACCTTCTGAGAGAGCCCATTTGCGCCGCGCATGTTGTAT 1319
Qy 1707 TTTGCTCATTTTATTAACCTTGTGTTTAACTGA 1741
Db 1320 TTTGCTCATTTTATTAACCTTGTGTTTAACTGA 1354

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RESULT 8
US-09-221-528-10
: Sequence 10, Application US/09221528
: Parent No. 6190874
: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: MN1-050
: CURRENT APPLICATION NUMBER: US/09/221,528

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: CURRENT FILING DATE: 1998-12-28
: EARLIER APPLICATION NUMBER: 09/163,115
: EARLIER FILING DATE: 1998-09-29
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 10
: LENGTH: 1864
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (275)..(754)
US-09-221-528-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.28; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAAGCATCCCTTTCCTGGAGACAGAGAGAGAACTGGCAATA 746
Db 300 TCAGCTTAAGTGAAGCATCCCTTTCCTGGAGACAGAGAGAGAACTGGCAATA 359
Qy 747 TCACATCAGTAGATTACGACTTTGATGAGAAATTTCTGAGCCATACGAGCAGCTGGCCA 806
Db 360 TCACAGCAGTAGATTACGACTTTGATGAGAAATTTCTGAGCCATACGAGCAGCTGGCCA 419
Qy 807 AGGACTTATTCGGAAGCTTCTGTAAAGAGACCCGGAACGGCTCAATCCAGAGG 866
Db 420 AGGACTTATTCGGAAGCTTCTGTAAAGAGACCCGGAACGGCTCAATCCAGAGG 479
Qy 867 CTCTCAGACACCCCTGTGATCAAGCCGCTGAGACAACAGCAAGCATGGTGGACGGAGT 926
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Qy 927 CTGTGTCAATCTGAGAACTTCAAGAAAGAGATGTCTGAGAGCGGTGAAGCTTCTCT 986
Db 540 CTGTGTCAATCTGAGAACTTCAAGAAAGAGATGTCTGAGAGCGGTGAAGCTTCTCT 599
Qy 987 TCAGATGATGTCTCCCTGTGCAACCACTCACCCTGCTGATGAAGAGAGTGCACCTGA 1046
Db 600 TCAGATGATGTCTCCCTGTGCAACCACTCACCCTGCTGATGAAGAGAGTGCACCTGA 659
Qy 1047 GGGCCGATGAGGACCTGAGAACTGTGAGATGACACTGAGAGAGACATCCGACAGAGA 1106
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Qy 1107 AAGCCCTCCACCCACGAGAGAGAGACCTCTTAACTGAGCTGACCTGAGAGTGGCCG 1166
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Qy 1167 CCAGGAGAGTGTGGGCCCAAGGAGGAGTCCCTTCTGTGAGACTTTTGAACCCAGCTCAGC 1226
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## RESULT 9

US-09-593-553-10  
; Sequence 10, Application US/09593553  
; Patent No. 6200770  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMI-050  
; CURRENT APPLICATION NUMBER: US/09/593,553  
; CURRENT FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: 09/163,115  
; PRIOR FILING DATE: 1998-09-28  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 1864  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (275)..(754)  
US-09-593-553-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;  
Best Local Similarity 99.2%; Pred. No. 2.6e-270;  
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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## RESULT 10

US-09-221-237-10  
; Sequence 10, Application US/09221237  
; Patent No. 6214597  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMI-050  
; CURRENT APPLICATION NUMBER: US/09/221,237  
; CURRENT FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; EARLIER FILING DATE: 1998-09-29  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 1864  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (275)..(754)  
US-09-221-237-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;  
Best Local Similarity 99.2%; Pred. No. 2.6e-270;  
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCCTTTAAGTGAAGCATCCCTTTCTGGGAGACACGAAGAGAAACACTGSCAATA 746

Db 300 TCAGCTTAAGTGAAGCATCCCTTCTCGTGGAGACAGAGAACTGCGAAATA 359  
Qy 747 TCACATCAAGTGAATACGACTTTGATGAGAAATCTTACGCCATACGAGCGAGCTGGCCA 806  
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Db 720 AAGCCCTCAACCCAGAGAGAGAGACGACCTCTAACTGCGCTGACTGTGAGTGGCCG 779  
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RESULT 11

US-09-159-385-3  
; Sequence 3, Application US/09159385  
; Patent No. 5958748  
; GENERAL INFORMATION:  
; APPLICANT: AKIRA, SHIZUO  
; APPLICANT: KAWAI, TARO  
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE  
; FILE REFERENCE: PH-569  
; CURRENT APPLICATION NUMBER: US/09/159,385  
; EARLIER APPLICATION NUMBER: JP97/261589  
; EARLIER FILING DATE: 1997-09-26  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 3  
; LENGTH: 2132  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (94)..(1455)  
US-09-159-385-3  
  
Query Match 29.6%; Score 515.6; DB 2; Length 2132;  
Best Local Similarity 76.1%; Pred. No. 7.3e-129;  
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;  
  
Qy 61 CATGAGCATTCAGACGAGAGAGTGAAGACTTTTATGACCTCGAGAGAGCTGGG 120  
Db 93 CATGTCACGTTTCAGGACGAGAGAGTGAAGACCATTTATGATGGGAGAGAGCTGGG 152  
Qy 121 GAGTGGCCAGTTCATCTGTAAGAAAGTGGCGGAGAGAGCAGCGGGCTTGAATAGC 180  
Db 153 CAGCGGCCAGTTCGATTCGTGCGGAAGTGGCGGAGAGAGGCGGACAGAGAGTACG 212  
Qy 181 AGCCAAGTTCAGAAAGCGGAGAGAGCGGCGAGCGCGGTGTGACCCGAGAGA 240  
Db 213 AGCCAAGTTCAGAAAGCGGAGAGAGCGGCGGTGTGACCGGAGAGA 272  
Qy 241 GATGAGGAGAGTGAAGATCTTGGCAGAGTGTGACACCAATGTCATCAGCTGCA 300  
Db 273 GATGAGGAGAGTGAAGATCTTGGCAGAGATCTTGGCAGAGATCTTGGCAGAG 332  
Qy 301 CGAGCTATAGAGACCGACAGAGTGTGATCATCTTGAAGTGTGAGAGAGAG 360  
Db 333 CGAGCTATAGAGACCGACAGAGTGTGATCATCTTGAAGTGTGAGAGAGAG 392  
Qy 361 GCTCTGATTTCTGCGCCAGAGAGAGTCACTGAGAGAGAGAGGCGACAGCTTCAT 420  
Db 393 GCTCTGATTTCTGCGCGAGAGAGAGTCACTGAGAGAGAGAGGCGACAGCTTCAT 452  
Qy 421 TAAAGAGTCTGAGAGAGGAGAGTCACTACCTTCAACAAGAAATTTGCTCATTTGATCT 480  
Db 453 TAAAGAGTCTGAGAGAGGAGAGTCACTACCTTCAACAAGAAATTTGCTCATTTGATCT 512  
Qy 481 CAAGCAGAAATTAATTTGTTAGACAAAGATATTTCCATTCACATCAAGCTGAT 540  
Db 513 CAAGCAGAAATTAATTTGTTAGACAAAGATATTTCCATTCACATCAAGCTGAT 572  
Qy 541 TGACTTTGCTGCTCAGAAATGAGAGATGAGTTGAATTTAAGAAATTTTGGAGC 600  
Db 573 TGACTTTGCTGCTCAGAAATGAGAGATGAGTTGAATTTAAGAAATTTTGGAGC 632  
Qy 601 GCGGGAATTTGTTCTCCAGAAATTTGAGAAATTAAGAGCCCTGGGTCTGAGAGCTGAT 660  
Db 633 GCGGGAATTTGTTCTCCAGAAATTTGAGAAATTTAAGAGCCCTGGGTCTGAGAGCTGAT 692  
Qy 661 GTGAGCATAGAGCTGATCATCTTCAATCTTGAAGTGAAGATCTTCTGAGAGAG 720  
Db 693 GTGAGCATAGAGCTGATCATCTTCAATCTTGAAGTGAAGATCTTCTGAGAGAG 752  
Qy 721 CACGAAGCAGAAACACTGGCAATATCATCATGAGTTAGCATTTGATGAGAAAT 780



Db 309 GCTTTTCGACTTCTGCGCCGAGAGAGTCAATTGACGAGATGAGCCACGACTTCT 368  
Qy 421 TAAGCAGATCCTGAGTGGGGTGAACCTTACACCAAGAAATTTGCTCACTTGTAT 480  
Db 369 CAACCAATCTGACGAGGGTCCACTACTGACTCAAGCCGATGACACTTGTACT 428  
Qy 481 CAAGCCAGAAAATTATGTTGTTAGACAAATATTTCCCATTTCCACATCACTGAT 540  
Db 429 GAAGCCCGAGAACATCATGTTGCTGGACAAAGCAGCAGCCGCCGATTAAGCTAT 488  
Qy 541 TCACTTTGCTGCTGCTCAGCAAGAAATAGATGAGATTGAATTTAAGATATTTTGGAC 600  
Db 489 CCACTTTGGCATTCGCGCAGAGATCGAGGCTGCGACGCTTCAAGAACATCTTTGGCAC 548  
Qy 601 GCCGGAATTTGTTGCTCCAGAAATTTGTAACCTACGAGCCCTGGGGCTGGAGGCTGACAT 660  
Db 549 ACCCGAGTTTGTGCCCCCGAGATGCTGAATGAGCCACTTGGCTTGGAGGCTGACAT 608  
Qy 661 GTGAGCATAGGCGTTCATCACTTACCTCTTAAAGTGGAGATCCCTTTCTGGGAGA 720  
Db 609 GTGAGCATTTGGCGTTCATCACTTACCTCTGAGCGGAGGCTCCCATTTCTGGGAGA 668  
Qy 721 CACGAGCAGGAAACATCTGGCAATATTCATCATGAGTTACGACTTTGATGAGAAAT 780  
Db 669 GACCAAGCAGAGAGCGCTGACCAACATCTCACAGATGAATATGATTTGATGAGAAAT 728  
Qy 781 CTTCAAGCATCAGAGAGCTGAGCCAGGACTTTTATTTGGAGCTTCTGTTAAAGAGAC 840  
Db 729 CTTCAAGCAGACACAGGAGCTGAGCCAGGACTTTTATTTGGAGCTTCTGTTAAAGAGAC 788  
Qy 841 CCGGAAACGGCTCAGCATTCAGAGAGGCTTCAAGACCCCTGATCAG 889  
Db 789 CAAGAGAGAGATGACCATCGACAGAGCTGAGCATTTCTGTATCAG 837

## RESULT 14

US-09-186-277-4  
; Sequence 4, Application US/09186277  
; Patent No. 6171841  
; GENERAL INFORMATION:  
; APPLICANT: AKIRA, SHIZUO  
; APPLICANT: KAMAI, TARO  
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE  
; FILE REFERENCE: 081356/0128  
; CURRENT APPLICATION NUMBER: US/09/186,277  
; CURRENT FILING DATE: 1998-11-05  
; EARLIER APPLICATION NUMBER: JP97/261589  
; EARLIER FILING DATE: 1997-09-26  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 1429  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (10)..(1353)  
US-09-186-277-4

Query Match 29.5%; Score 513.8; DB 4; Length 1429;  
Best Local Similarity 76.2%; Pred. No. 1.9e-128;  
Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 61 CATGAGCATTCAGACGACAGAGAGTGGAGACTTTTATGATCGAGAGAGCTGGG 120  
Db 9 CATGTCACATTCAGAGCAAGAGATGTTAGAACCATTTATGATGAGAGAGACTTGG 68  
Qy 121 GAGTGGCCAGTTTGCATCTGTAAGAGTCCGAGAGAAAGACAGCGGCTTGAATATGC 180  
Db 69 CAGTGGCCAGTTTGCATCTGTCGCAAGTGCAGAGAAAGGACAGGGGATGATATATGC 128  
Qy 181 AGCCAAGTTTCATCAAGAAAGCGGACAGCGGCGGCGCGGCTGTGAGCCGGAGAGA 240

Db 129 AGCCAAGTTTCATCAAGAAAGCGGCGCTGCTGCATCCAGCCGCGGCTGTGAGCCGGAGAGA 188  
Qy 241 GATGAGGGGAGAGTGAACATCTTGGCGCAGTGTCTGACCAACATGTCATCAGCTCA 300  
Db 189 GATGAGGCGAGAGTGAACATCTTGGCGCAGTGTCTGACCAACATGTCATCAGCTCA 248  
Qy 301 CGAGCTCATGAGAACCGCACCGACGTGTGACATCTTGAAGTATGTTGAGAGAGA 360  
Db 249 TGACGTGTGAGAAACAAGACAGATGTGTCTGATCTCTGAGAGCTGTGTCCGGTGGGA 308  
Qy 361 GCTCTGATTTCTTGGCCAGAAAGAGTCACTGATGAGAGAGGCGCACAGCTTCAT 420  
Db 309 GCTTTTCACATCTTGGCGGAGAGAGTCAATGACGAGATGAGGCGCACAGTTCCT 368  
Qy 421 TAAGCAGATCCTGAGTGGGGTGAACCTACCTTACCAAGAAATTTGCTCATTTGATCT 480  
Db 369 CAACCAATCTGACGAGGTGCTCACTTCTGACCTCCAGGCGCATCGACATTTGACT 428  
Qy 481 CAAGCCAGAAAATTATGTTGTTAGACAAATATTTCCATTCCACATCAAGCTGAT 540  
Db 429 GAAGCCGAGAACATCATGTTGCTGACAAAGCAGCAGCCGCCCATTTAAGCTCAT 488  
Qy 541 TCACTTTGCTGCTCAGAAATGAAATGAGATGAGATTGAATTTAAGATATTTTGGAC 600  
Db 489 CCACTTTGGCATTCGCGCAGAGATCGAGGCTGCGACGAGATTCAAGAACATCTTTGGCAC 548  
Qy 601 GCCGGAATTTGTTGCTCCAGAAATTTGAACTAGAGCCCTGGGCTGAGAGGCTGACAT 660  
Db 549 ACCCGAGTTTGTGCCCCCGAGATGCTGAATGAGCCACTTGGCTTGGAGGCTGACAT 608  
Qy 661 GTGAGCATAGGCGTTCATCACTTACCTCTTAAAGTGGAGATCCCTTTCTGGGAGA 720  
Db 609 GTGAGCATTTGGCGTTCATCACTTACCTCTGAGCGGAGGCTCCCATTTCTGGGAGA 668  
Qy 721 CACGAGCAGGAAACATCTGGCAATATTCATCATGAGTTACGACTTTGATGAGAAAT 780  
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Qy 781 CTTCAAGCATCAGAGAGCTGAGCCAGGACTTTTATTTGGAGCTTCTGTTAAAGAGAC 840  
Db 729 CTTCAAGCAGACACAGGAGCTGAGCCAGGACTTTTATTTGGAGCTTCTGTTAAAGAGAC 788  
Qy 841 CCGGAAACGGCTCAGCATTCAGAGAGGCTTCAAGACCCCTGATCAG 889  
Db 789 CAAGAGAGAGATGACCATCGACAGAGCTGAGCATTTCTGTATCAG 837

## RESULT 15

US-08-631-097-3  
; Sequence 3, Application US/08631097  
; Patent No. 5968816  
; GENERAL INFORMATION:  
; APPLICANT: Kimchi, Adi  
; TITLE OF INVENTION: Tumor Suppressor Genes,  
; TITLE OF INVENTION: Protein Encoded Thereby, and Use of Said Genes and Protein  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wigman, Cohen, Leitner, & Myers, P.C.  
; STREET: 900 17th Street, N.W., Suite 1000  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20006

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/631,097  
FILING DATE: 12-Apr-96  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

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APPLICATION NUMBER: PCT/US94/11598
FILING DATE: 12-Oct-94
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0744.057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)463-7700
TELEFAX: (202)473-6915
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4935 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHEICAL: No
ANTI-SENSE: No
FRAGMENT TYPE: No. 5968816 applicable
ORIGINAL SOURCE:
ORGANISM: homo sapiens
STRAIN: not applicable
INDIVIDUAL ISOLATE: not applicable
DEVELOPMENTAL STAGE: not applicable
HAPOTYPE: not applicable
TISSUE TYPE: blood
CELL TYPE: Leucocyte
CELL LINE: HeLa
ORGANELLE: not applicable
IMMEDIATE SOURCE:
LIBRARY: not applicable
CLONE: not applicable
POSITION IN GENOME:
CHROMOSOME/SEGMENT: not applicable
MAP POSITION: not applicable
UNITS: not applicable
FEATURE:
NAME/KEY: Seq. ID. NO.: 3 is
NAME/KEY: the sequence in claim 1(((1)) as Figure 8 of the specification
LOCATION: not available
IDENTIFICATION METHOD: experiment-
OTHER INFORMATION: prevention of IFN-2
OTHER INFORMATION: promoted cell death
PUBLICATION INFORMATION: not available
US-08-631-097-3

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Query Match 25.8%; Score 449.4; DB 2; Length 4935;  
 Best Local Similarity 67.1%; Pred. No. 6.3e-11;  
 Matches 664; Conservative 0; Mismatches 301; Indels 24; Gaps 1;

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QY 59 AACATGAGCCATTACAGCAGAGAAAGTGGAGCACTTTATGACATCGGAGAGAGACTG 118
DB 334 ATCATGACCGTGTTCAGCAGAGAAACGTGATGATTAAGACACCGGCGAGGACTT 393
QY 119 GGGAGTGGCCAGTTTGGCCATCGTGAAGAAGTCCGGAGAGAGACCGGGCTTGATAT 178
DB 394 GGCACTGACAGTTTGGCGTTGTGAAGAAATCCGTGAGAAAGTAACGGCTTCCAGTAT 453
QY 179 GCAAGCAAGTTCATCAAGAACGGGAGACCGGGGAGCCGGCGGCTGTGAGCCGGAG 238
DB 454 CCGGCAATTCATCAAGAAAGAGAGACTMAGTCCAGCCGGCGGGGTGTGAGCCGGAG 513
QY 239 GAGATCGAGCCGGAGAGTGAAGTCTCTGGGCGAGGTGCTGACCAATATGTATCAACGCTG 298
DB 514 GACATCGAGCGGAGAGTCACTCTGAAGGATCCAGCACCCCAATGTATCAACCTG 573
QY 299 CACGAGCTATGAGAACCGACCGACGAGTGTGACATCTTGTAGTGTGTGAGAGA 358
DB 574 CACGAGCTATGAGAACGAGCGAGCTCATCTGATCTTGAATCTGTTGAGAGTGC 633
QY 359 GAGCTTTGATTTTCTGGCCAGAGAGATCACTGAGTGAAGAGAGCCACGACTTC 418

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DB 634 GAGCTGTTGACTTCTTAGCTGAAAAAGAAATCTTTACTGAAGAGAACATGAAATTT 693
QY 419 ATTAAGACATCTGATGGGTGAACTACCTTCACAAAGAAATGCTCACTTAT 478
DB 694 CTCAAACAATTTCTTAATGATGTTTACTACCTGCACTCCCTTCAATGCGCCACTTAT 753
QY 479 CTCAGCCAGAAAACATTAATGTTTGTAGACAAAGATATTCCTTCCATTCACATCAAGCTG 538
DB 754 CTTAAGCTGAGAACATATATGCTTTTGTGATGAATGATGCCCAACCTCGATCAAGATC 813
QY 539 ATTGACTTGGTCTGCTGACGAAATAGAAATGAGATGATGATTAAGATATTTTGGG 598
DB 814 ATTGACTT-----TGAATATGAATTTAAAAACATATTTGGG 849
QY 599 ACGCGGAATTTGTTGCTCCAGAAATTTGAACTPACGAGCCCTGGGTGTGAGGCTGAC 658
DB 850 ACTCCAGATTTGTGCTCTGAGATATGATCAATATGAACTCTTGGTCTTGAGGCAAT 909
QY 659 ATGTGAGCATAGGCGTCACTACCTTCTTAACTGAGACATCCCTTCTTGGA 718
DB 910 ATGTGAGTATCGGGGTATATACCTATATCTCTTAAGTGGGCTCCCAATTTCTTGA 969
QY 719 GACACGAAGCAGAAACACTGGCAATTCATCATGATGATGACTTGTATGAGAA 778
DB 970 GACACTAAGCAAGAAACGTTAGCAATATGATTCGCTGCAACTGCAATTTGAGATGAA 1029
QY 779 TTCTTACGCAATPAGAGAGAGTGGCAAGACTTATTTGGAAGCTTGTGTTAAG 838
DB 1030 TACTTCAATATACAGTGCCTTACCCAAAGATTTCAATAGAGACTTGTGCAAGAT 1089
QY 839 ACCCGAAGCGCTCACAATCCAGAGGCTCTCAGACACCCCTGATACGCGGTGAG 898
DB 1090 CCAAGAGAGAAATGACATTCAGATGTTTGAAGCATCTCTGATCAAGCTTAAAGAT 1149
QY 899 AACCAAGCAAGCATGATGTCGACGGAGTCTGTGTCATCTGAGAACTTCAAGAACAG 958
DB 1150 ACACACAGGCACTTATGAGAAAGCATCAGCAGTAAACATGAGAAATTCAGAGATTT 1209
QY 959 TATGTCGCGAGCGGTGAGACTTCTTCAAGCATCGTGCCTGCTGACACCACTAC 1018
DB 1210 GCAAGCCGGAAGAAATGAGAAACATCCGTTGCTGATATCATGTCGCAAGATTAATC 1269
QY 1019 CGCTGCTGATGAAGAGAGTGCACCTGAG 1047
DB 1270 AGGTATTCCTGTCCAGAAATGATGAG 1298

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GenCore version 5.1.3  
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Run on: April 4, 2003, 20:37:02 ; Search time 189.917 Seconds  
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Title: US-09-719-748-1

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Sequence: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Scoring table: 593429 seqs, 43858390 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 10%

Listing first 45 summaries

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Published Applications NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	445.4	25.6	480	10	US-09-757-982-12
3	203	11.7	5926	10	US-09-969-708-302
4	203	11.7	5926	10	US-09-964-456-522
5	203	11.7	5926	10	US-09-880-107-3371
6	202.8	11.6	3192	10	US-09-925-300-502
7	187.2	10.7	1167	10	US-09-940-921B-6
8	187.2	10.7	1197	10	US-09-940-921B-8
9	187.2	10.7	1744	10	US-09-940-921B-10
10	165.8	9.5	1788	10	US-09-797-039-9
11	165.8	9.5	2046	10	US-09-797-039-7
12	154	8.8	513	10	US-09-864-761-7320
13	149.8	8.6	153	10	US-09-864-761-7320
14	146.2	8.4	1074	10	US-10-024-036B-3
15	146.2	8.4	1578	10	US-09-835-788A-6
16	146.2	8.4	1772	9	US-10-024-036B-1
17	141.8	8.1	1372	10	US-09-817-181-1
18	140.6	8.1	1383	9	US-09-935-464-2
19	140.6	8.1	1738	9	US-09-935-464-4

20	136.2	7.8	5207	10	US-09-858-664A-1	Sequence 1, Appli
21	136.2	7.8	7893	9	US-10-077-130-3	Sequence 3, Appli
22	136.2	7.8	8106	9	US-10-077-130-1	Sequence 1, Appli
23	136.2	7.8	23907	9	US-10-077-130-6	Sequence 6, Appli
24	136.2	7.8	24120	9	US-10-077-130-4	Sequence 4, Appli
25	134	7.7	2259	10	US-09-864-761-17354	Sequence 17354, A
26	130	7.5	3731	10	US-09-925-299-114	Sequence 114, App
27	130	7.5	3731	10	US-09-925-299-114	Sequence 114, App
28	126.8	7.3	491	10	US-09-864-761-560	Sequence 560, App
29	123	7.1	518	9	US-09-796-692-8544	Sequence 8544, Ap
30	119.4	6.9	1947	9	US-10-024-036B-6	Sequence 6, Appli
31	119.4	6.9	2454	10	US-09-892-481-3	Sequence 3, Appli
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33	119.4	6.9	3579	9	US-10-024-036B-4	Sequence 4, Appli
34	119	6.8	2230	10	US-09-828-313-26	Sequence 26, Appli
35	113.2	6.5	2007	12	US-10-054-579-1	Sequence 1, Appli
36	113.2	6.5	2025	9	US-09-842-582-3	Sequence 3, Appli
37	113.2	6.5	2219	9	US-09-842-582-1	Sequence 1, Appli
38	112.8	6.5	5637	10	US-09-917-800A-1537	Sequence 1537, Ap
39	108.2	6.2	1827	12	US-10-054-579-3	Sequence 3, Appli
40	107.6	6.2	1387	10	US-09-828-313-13	Sequence 13, Appli
41	104.8	6.0	1665	10	US-09-771-161A-56	Sequence 56, Appli
42	104.4	6.0	1367	10	US-09-925-302-262	Sequence 262, App
43	104.4	6.0	2637	12	US-10-060-332-1	Sequence 1, Appli
44	104	6.0	2061	12	US-10-096-960-1	Sequence 1, Appli
45	104	6.0	3705	12	US-10-044-090-227	Sequence 227, App

#### ALIGNMENTS

RESULT 1  
US-09-757-982-10  
Sequence 10, Application US/09757982  
Patent No. US20020094559A1  
GENERAL INFORMATION:  
APPLICANT: Acton, Susan  
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
FILE REFERENCE: NMI-050  
CURRENT APPLICATION NUMBER: US/09/757, 982  
CURRENT FILING DATE: 2001-01-10  
PRIOR APPLICATION NUMBER: 09/163, 115  
PRIOR FILING DATE: 1998-09-29  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 10  
LENGTH: 1864  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (275)..(754)  
US-09-757-982-10

Query Match 59.8%; Score 1042.2; DB 10; Length 1864;  
Best Local Similarity 99.2%; Pred. No. 0;  
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCTCTTAAGTGAGACATCCCTTCTCTGAGACACAGACAGAAACACTGGCAATA 746  
DB 300 TCAGCTTAAGTGAGACATCCCTTCTCTGAGACACAGACAGAAACACTGGCAATA 359

QY 747 TCACATCAGTAGTACACATTTGATGAGAAATTTTACGCCATTCAGCGACGTGGCA 806  
DB 360 TCACGACGATGATGATGATGAGAAATTTTACGCCATTCAGCGACGTGGCA 419

QY 807 AGACATTAATTCGAGAGCTTCTGTTAAAGAGACCCGAAACGCTCAATCCAAAGAG 866  
DB 420 AGACATTAATTCGAGAGCTTCTGTTAAAGAGACCCGAAACGCTCAATCCAAAGAG 479

QY 867 CTTCGACACCCCTGATGATGATGAGACACACAGCAAGCAGTGTGCGACGGAGT 926  
DB 480 CTTCGACACCCCTGATGATGAGACACACAGCAAGCAGTGTGCGACGGAGT 539

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Db	540	CTTGATGCAATCTGGAGAACTTCAGAAAGCAGTATGCTCCGACGGGTGAGACCTTTCC	599
Qy	987	TCAGATCGTGTCTCTGTGCAACCAACCTCACCCGCTCGCTGATGAAAGAGTGCACCTGA	1046
Db	600	TCAGATCGTGTCTCTGTGCAACCAACCTCACCCGCTCGCTGATGAAAGAGTGCACCTGA	659
Qy	1047	GGCCGGATGAGGACCTTGAGGAACCTGTGAGAGTACACTGAGAGAGACATTGCCAGAGGA	1106
Db	660	GGCCGGATGAGGACCTTGAGGAACCTGTGAGAGTACACTGAGAGAGACATGCCAGAGGA	719
Qy	1107	AAGCCCTCCACCCACGGAGAGAGACAGACCTTCCTGAACCTGACCTGACCTGACCTGAC	1166
Db	720	AAGCCCTCCACCCACGGAGAGAGACAGACCTTCCTGAACCTGACCTGACCTGACCTGAC	779
Qy	1167	CCAGGAGAGTTTGAGCCACGAGGGAGCTCCCTTCTGTGCAGACTTTTGAACCCAGCTCAG	1226
Db	780	CCAGGAGAGTTTGAGCCACGAGGGAGCTCCCTTCTGTGCAGACTTTTGAACCCAGCTCAG	839
Qy	1227	ACCAACACCCGGGGCTCTTGAGCACTTTGCAAGAGATGGGCCCAAGAAATCAGAAAG	1286
Db	840	ACCAACACCCGGGGCTCTTGAGCACTTTGCAAGAGATGGGCCCAAGAAATCAGAAAG	899
Qy	1287	GCTTCAGAGCAAGCAGGAGACCCCTGGGAGCTGTGGGCTCTTCTGTGAGAGAGGCTCCA	1346
Db	900	GCTTCAGAGCAAGCAGGAGACCCCTGGGAGCTGTGGGCTCTTCTGTGAGAGAGGCTCCA	959
Qy	1347	GCATTCGCCAAAGCTCTTAATTTCTCCATTAATAATGGGAGCTTCTCTGTGCGCATCTCAGA	1406
Db	960	GCATTCGCCAAAGCTCTTAATTTCTCCATTAATAATGGGAGCTTCTCTGTGCGCATCTCAGA	1019
Qy	1407	GTCGGGGTGGGAGTGTGAGACTTTAGAGAAACAAATATAAGACATCTCTCATCATCACGGG	1466
Db	1020	GTCGGGGTGGGAGTGTGAGACTTTAGAGAAACAAATATAAGACATCTCTCATCATCACGGG	1079
Qy	1467	GTGAAGTCAAGATTAAGGACGCTTCTTCCACAGGCTGAGGGGGTTCAGAACCAAGCTTGCG	1526
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Qy	1527	CAAAAATTACACCAAGAGAGACAGAGTCTCCCATTTGGGAAACAGGGGTGATTGAGGAAAGT	1586
Db	1140	CAAAAATTACACCAAGAGAGACAGAGTCTCCCATTTGGGAAACAGGGGTGATTGAGGAAAGT	1199
Qy	1587	GAACTTGGGTGTAGGGGACCAATCTGTGTGACCTCCAGAAACCATGGAACCCAGAGCGTC	1646
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Db	1260	AGGCTGACCAACACCTCAGACCTTCTGAGAGAGCCCAATGTGGCCCGCATGTTGTAAT	1319
Qy	1707	TTTGCTCAATTTTATTAACCTTCTGTGATTACCTGA	1741
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RESULT 2			
US-09-757-982-12			
; Sequence 12, Application US/09757982			
; Patent No. US20020094559A1			
; GENERAL INFORMATION:			
; APPLICANT: Action, Susan			
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR			
; FILE REFERENCE: NMI-050			
; CURRENT APPLICATION NUMBER: US/09/757,982			
; CURRENT FILING DATE: 2001-01-10			
; PRIOR APPLICATION NUMBER: 09/163,115			
; PRIOR FILING DATE: 1998-09-29			
; NUMBER OF SEQ ID NOS: 15			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO 12			

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; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
;
US-09-757-982-12

```

Query Match	25.6%	Score 445.4;	DB 10;	Length 480;
Best Local Similarity	98.7%;	Pred. No. 4.6e-130;		
Matches 449;	Conservative 0;	Mismatches 6;	Indels 0;	Gaps 0;

Qy	687	TCCTCTTAAGTGGAGCATCCCCCTTCTCTGGAGACACAGGAAGGAAAACACTGGCAATA	746
Db	26	TCAGCTTAAGTGGAGCATCCCCCTTCTCTGGAGACACAGGAAGGAAAACACTGGCAATA	85
Qy	747	TCACATCAGTGAAGTTACGACTTTGATGAGGAAATTCTTCAGCATACGACGAGCTGGCCA	806
Db	86	TCACAGCAGTGAAGTTACGACTTTGATGAGGAAATTCTTCAGCATACGACGAGCTGGCCA	145
Qy	807	AGGACTTATTCGGAAAGCTTCGTGGTTAAAGACCCGGGAAACGGGTCACATCCAAAGG	866
Db	146	AGGACTTATTCGGAAAGCTTCGTGGTTAAAGACCCGGGAAACGGGTCACATCCAAAGG	205
Qy	867	CTCTCAGACACCCCTGGATATCAGCCGGTGAGACACGACGACCACTGGTGCAGCGGAGT	926
Db	206	CTCTCAGACACCCCTGGATATCAGCCGGTGAGACACGACGACCACTGGTGCAGCGGAGT	265
Qy	927	CTGTGTGTCAATCTGGAGAACTTGAAGAACGATGTGTCCGACGGCGGTGGAAAGCTTTCT	986
Db	266	CTGTGTGTCAATCTGGAGAACTTGAAGAACGATGTGTCCGACGGCGGTGGAAAGCTTTCT	325
Qy	987	TCACGATCGTGTCCCTGTGGACCACTCACCCTCGCTGATGTAAGAAAGTGACACTGA	1046
Db	326	TCACGATCGTGTCCCTGTGGACCACTCACCCTCGCTGATGTAAGAAAGTGACACTGA	385
Qy	1047	GGCCGGATGAGAACCTGGAGAACTGTGAAGTGAACACTGAGAGGACATCCGCAAGAGGA	1106
Db	386	GGCCGGATGAGAACCTGGAGAACTGTGAAGTGAACACTGAGAGGACATCCGCAAGAGGA	445
Qy	1107	AAGCCCTCACCCACGAGGAGGAGAGACGACCTCC	1141
Db	446	AAGCCCTCACCCACGAGGAGGAGAGACGACCTCC	480

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RESULT 3
US-09-969-708-302
; Sequence 302; Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,608
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,425
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 302
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-708-302

Query Match          11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred.No.5.9e-53;
Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;

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Qy	236	GAGGAGATCGAGCGGAGAGTGAATCCGGCGGACGAGTGTGCATCCACAAATGATCAACG	295
Db	4629	GAGAAATATCCGACGAGAAATTAAGATCAATGAATCTCCCTCCACACACCTTAAGCTGTCCAG	4688
Qy	296	CTGCACGACGTCTATAGAAACCGCACCGACGCTGTGCATCTCTTGAAGCTGTCTTGA	355
Db	4689	TGTGTGATGCTTTGAAAGAAAGGCGCAACATGTCATGTGCTTGGAAATGTGTCAAGA	4748
Qy	356	GGAGAGCTCTTCGATTTCTCTGGCCGACGAAGAGTCA---CTGAGTGAAGAGAGGCCACC	412
Db	4749	GGGAGGCTGTTTGAACCGCATCTTGAACGAGGACTTTGAGCTGACCGAGCGTGAAGTCAATC	4808
Qy	413	AGCTTCAATTAAGCAGATCTCTGGAATGGGGTGAACCTCACTTCCACAAAGAAATTTGCTAC	472
Db	4809	AAGTCAATGCGGCAATCTCGGAGGAGTGAATCAATCCACAAAGCAGGCACTCTGTAC	4868
Qy	473	TTTGATCTCAAGCCAGAAAACATTAATGTTTGAACAAAGAAATATCCGATTCACACATTC	532
Db	4869	CTGCACCTCAAGCCGAGAAACATCTGTGTGTCAACAAAGACGGGACCA-----GGATC	4922
Qy	533	AAGCTGATGACTTTGTGCTGTGGCTCAGCAAAATAGAATGAGATTGAATTTAAGATATT	592
Db	4923	AAGCTCATGACTTTGTGCTGTGGCCAGAGGCTGAGAAATGCGGGGTCTGTGAAGTCTCTC	4982
Qy	553	TTTGGAGCGCGGAAATTTGTTGCTCTCCAGAAATTTGAATTAAGACCCCTGTGGTGTGAG	652
Db	4983	TTTGGACCCCAAGAAATTTGTGGCTCTCTGAAGATCAACATTAAGACCCATCGGCTACCC	5042
Qy	653	GCTGACATGTGAGCATTAAGCGCTCATCACTCATCTCTTAAGTGAAGCATCCCCCTTC	712
Db	5043	ACAGCATGTGAGCATTAAGCGGCTCATCTGTCTCAATCTTAAGTGAAGCATCCCCCTTC	5102
Qy	713	CTGGAGACACGAAACAGAAACACTGGCAATATACATCAGTGAATTAAGCATTTGAT	772
Db	5103	ATGGAGACACGAAATGAAGAACTTTGGCAACGTTACCTGACCACTCGGAGCTTGCAC	5162
Qy	773	GAGGAATCTTTCAGCCATTAAGCGAGCTGCTCAAGAGCTTATTTTCGGAAGCTTGGTT	832
Db	5163	GACGAGCATTCGATGAAGATCTTCGACGATGCCAAGGATTTTCATCAGCAATCTGCTGAAG	5222
Qy	833	AAAGAGACCCGGAACCGGCTCAGATCCAGAGGCTCTCAAGACACCCCTGATCAG	889
Db	5223	AAAGATATGAAGAAACCGGCTGAGCTGACGACGATGCTTTCAGATTCATGCTAATG	5279
RESULT 4			
US-09-954-456-522			
Sequence 522, Application US/09954456			
Patent No. US20020115057A1			
GENERAL INFORMATION:			
APPLICANT: Young, Paul			
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc			
FILE REFERENCE: 689290-76			
CURRENT APPLICATION NUMBER: US/09/954, 456			
CURRENT FILING DATE: 2001-09-18			
PRIOR APPLICATION NUMBER: US/60/233, 617			
PRIOR FILING DATE: 2000-09-18			
PRIOR APPLICATION NUMBER: US/60/234, 052			
PRIOR FILING DATE: 2000-09-20			
PRIOR APPLICATION NUMBER: US/60/234, 923			
PRIOR FILING DATE: 2000-09-25			
PRIOR APPLICATION NUMBER: US/60/235, 134			
PRIOR FILING DATE: 2000-09-25			
PRIOR APPLICATION NUMBER: US/60/235, 637			
PRIOR FILING DATE: 2000-09-26			
PRIOR APPLICATION NUMBER: US/60/235, 638			
PRIOR FILING DATE: 2000-09-26			
PRIOR APPLICATION NUMBER: US/60/235, 711			
PRIOR FILING DATE: 2000-09-27			
PRIOR APPLICATION NUMBER: US/60/235, 720			
PRIOR FILING DATE: 2000-09-27			

PRIOR APPLICATION NUMBER: US/60/235,840  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: US/60/235,863  
 PRIOR FILING DATE: 2000-09-27  
 NUMBER OF SEQ ID NOS: 2276  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 522  
 LENGTH: 5926  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-954-456-522

Query Match 11.7%; Score 203; DB 10; Length 5926;  
 Best Local Similarity 59.1%; Pred. No. 5,9e-53;  
 Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;

QY 236 GAGGAGATCGACCGGAGAGTGAAGCATCTCTGGCGGAGGTGCTGCAACCAATGTCATCAG 295  
 DB 4629 GAGAAATTCGGGCGAGGAGATTAGCATCATGAATCGCCTCCACCAACCTTAAGCTGTCCAG 4688  
 QY 296 CTGCACGACGTCTATGAGAACCGGACCGGACGTGTGTCACATCTTTGAGCTAGTGTCTGGA 355  
 DB 4689 TGTGTGATGCTTTTGAAGAAAGGCCCAACATCTCATGTGCTCTGGAGATGCTGTCAAGA 4748  
 QY 356 GGAGAGCTCTTCGATTTCTCTGCCCCAGAGAGTCA---CTGAGTGAAGGAGAGGCCACC 412  
 DB 4749 GGGAGGCTGTTTGAAGCGCATATTGACGAGGACTTTGAGCTGTGACGAGACGTTGAGTGCAATC 4808  
 QY 413 AGCTTCATTAAAGCAATCTCGATGGGGTGAACCTTCCACAGAAAGAAATTGCTCAC 472  
 DB 4809 AAGTACATGCGGCGAGATCTCGGAGGAGTGAAGTACATCCACAGCAGGAGCATGCTGAC 4868  
 QY 473 TTTGATCTCAAGCCAGAAACATTATGTTGTTAACAAGAAATATTCCTTCCACACATC 532  
 DB 4869 CTGACCTCAAGCCGAGAAACATCATGTGTCAACAAAGACGGGCACCA-----GGATC 4922  
 QY 533 AAGCTGATGCTTTGTGCTCTGCTCAGCAATTAAGAATGAGTGAATTAAAGATATT 592  
 DB 4923 AAGCTCATGACTTTGTGTCTGGCCAGAGAGCTGGAAGATGGGGGTCTTGAAGGTCCTC 4982  
 QY 593 TTTGGAGAGCGCGGAATTTGTTGCTCCAGAAATTGGAACCTACGAGCCCTGGGTCTGAG 652  
 DB 4983 TTTGGACACCCAGAAATTTGTGTGCTCTGTAAGTGAATCAACTATGAGCCCATGGCTAGCC 5042  
 QY 653 GCTGACATGTGAGACATGAGCGTCATCACTTCACTCTTAAAGTGAAGCATCCCTTTTC 712  
 DB 5043 ACAGACATGTGAGAGATGGGGGTCTATGCTACATCTCAAGTCAAGTGGGCTTTCCCTTC 5102  
 QY 713 CTGGGAGACAGGAAGCAGGAACAAGCTGCCAAATATACATCATAGTGAATTAGACTTTGAT 772  
 DB 5103 ATGGGAGACAACGATTAACGAAACCTTGGCCAAACGTTACTCAGGCACCTCGGACTTCCAC 5162  
 QY 773 GAGGAATTCCTCAGCGCATAGAGAGGAGCTGGCCAAAGACTTATTTGGAGACTTCTGTT 832  
 DB 5163 GACGAGGCATTCGATGAGATCTCCGAGCATGCCAAGGATTTCACTAGCAATCTGTGAAG 5222  
 QY 833 AAAGAGACCCGGAACGGCTCAATCCAAAGGCTCTCAGACACCCCTGGATCAG 889  
 DB 5223 AAAGATGAAAAACCGCTGAGCTGACGAGTGGCTTCAAGCATTCATGCTAATG 5279

RESULT 5  
 US-09-880-107-3371  
 Sequence 3371, Application US/09880107  
 Patent No. US20020142981A1  
 GENERAL INFORMATION:  
 APPLICANT: Horne, Darci T.  
 APPLICANT: Vockley, Joseph G.  
 APPLICANT: Scherf, Uwe  
 APPLICANT: Gene Logic, Inc.  
 TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
 FILE REFERENCE: 44921-5028-WO  
 CURRENT APPLICATION NUMBER: US/09/880.107

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/ CURRENT FILING DATE: 2001-06-14
/ PRIOR APPLICATION NUMBER: US 60/211,379
/ PRIOR FILING DATE: 2000-06-14
/ PRIOR APPLICATION NUMBER: US 60/237,054
/ PRIOR FILING DATE: 2000-10-02
/ NUMBER OF SEQ ID NOS: 3950
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 3371
/ LENGTH: 5926
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: Genbank Accession No. US20020142981A1 U48959
US-09-880-107-3371
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Query Match 11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred. No. 5,9e-53;
Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;
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QY 236 GAGGAGATCGAGCGGAGTGAATCTCGGCGAGGTGTGACCAACATGTCATCAG 295
Db 4629 GAGAAATCCGGCAGAGATTAAGCATTAAGTCACTCCACCACTTAAGTGTCCAG 4688
QY 296 CTCGACGAGCTCTATGAAACCGCACCGACGTGTGCAATCCTTAGCTAGTGTGGA 355
Db 4689 TGTGTGATGCTCTTGAAGAAAGGCCAACATGTCATGCTGTGAGATCGTGCAGGA 4748
QY 356 GGAGAGCTCTTCGATTTCCGCGCCAGAAAGAGTCA---CTGAGTGAAGAGAGCCAC 412
Db 4749 GGGGAGCTGTTTGAAGGCATCATTTGACAGAGCTTTGAGCTGCGAGGCTGAGTCATC 4808
QY 413 AGCTTATTAAGCAGATCTGTAGTGGGTGAATACCTTCAACAAAGAAATTTGCTCAC 472
Db 4809 AAGTACATGCGGAGATCTCGAGGAGTGGAGTATCATCCAAAGAGGGCATCGTGAC 4868
QY 473 TTGATCTCAAGCCAGAAACATTAATGTTTGAACAAGAAATTTCCATCCACATC 532
Db 4869 CTGAGACTTAAGCCGGAACATCATGTGTCAACAAACGCGCACCA-----GGATC 4922
QY 533 AAGCTGATTAAGCTTTGCTGCTGCTCAAGAAATGAAGATGAGATTGAATTTAAGAAAT 592
Db 4923 AAGCTCATGCACTTTGCTGTGCTGCGCAGGAGGCTGAGAAATCGGGGCTCTGAAGGCTC 4982
QY 593 TTTGGAGCCCGGAATTTGTTGCTCAGAAATTTGAATTCAGAGCCCTGGGCTGTGAG 652
Db 4983 TTTGGACCCCGGAATTTGTTGCTCCTGAAGTGAATCACTATGAGCCATCGGCTACGCC 5042
QY 653 GCTGACATGTGAGCACTAGCGCTCATCTACATCTCTTAAAGTGAAGATCTCCCTTTC 712
Db 5043 ACAGACATGTGAGCACTGGGGTCACTGCTACATCTTGAAGTGGCTTTCCCTTC 5102
QY 713 CTGGGAGACAGAAAGAGAAACACTGCGAAATATCACTAGTGAAGTTACGACTTTGAT 772
Db 5103 ATGGGAGACAAAGATACAAACCTTTGGCCAAAGTTACTGACGCACTGGGACCTTTCAG 5162
QY 773 GAGGAATTTTACGCACTACGAGCGAGCTGCGCAAGACTTTATTCGGAAGCTTGTGTT 832
Db 5163 GACGAGGCACTTGAAGATCTTCCGACGATGCCAAGAAATTTATCAGCAATGTGCTGAAG 5222
QY 833 AAAGAGACCCGGAACGGCTCACATCCAAAGAGGCTTCACAGACCCCTGATCCAG 889
Db 5223 AAAGATATGAATAACCGCTTGAGCTGACAGCAGTGCCTTCACGATTCATGCTAATG 5279
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RESULT 6
US-09-925-300-502
/ Sequence 502, Application US/09925300
/ Patent No. US20020151681A1
/ GENERAL INFORMATION:
/ APPLICANT: Craig Rosen,
/ APPLICANT: Steve Ruben
/ TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
/ FILE REFERENCE: PA101
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/ CURRENT APPLICATION NUMBER: US/09/925,300
/ CURRENT FILING DATE: 2001-08-10
/ PRIOR APPLICATION NUMBER: PCT/US00/05988
/ PRIOR FILING DATE: 2000-03-08
/ PRIOR APPLICATION NUMBER: 60/124,270
/ PRIOR FILING DATE: 1999-03-12
/ NUMBER OF SEQ ID NOS: 1890
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO 502
/ LENGTH: 3192
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (3085)
/ OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-502
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Query Match 11.6%; Score 202.8; DB 10; Length 3192;
Best Local Similarity 59.3%; Pred. No. 4,7e-53;
Matches 383; Conservative 1; Mismatches 253; Indels 9; Gaps 2;
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QY 236 GAGGAGATCGAGCGGAGTGAATCTCGGCGAGGTGTGACCAACATGTCATCAG 295
Db 1875 GAGAAATCCGGCAGAGATTAAGCATTAAGTCACTCCACCACTTAAGTGTCCAG 1934
QY 296 CTCGACGAGCTCTATGAAACCGCACCGACGTGTGCAATCCTTAGCTAGTGTGGA 355
Db 1935 TGTGTGATGCTCTTGAAGAAAGGCCAACATGTCATGCTGTGAGATCGTGCAGGA 1994
QY 356 GGAGAGCTCTTCGATTTCCGCGCCAGAAAGAGTCA---CTGAGTGAAGAGAGCCACC 412
Db 1995 GGGGAGCTGTTTGAAGGCATCATTTGACAGAGCTTTGAGCTGAGAGCGTGAAGTCTC 2054
QY 413 AGCTTATTAAGCAGATCTGTAGTGGGTGAATACCTTCAACAAAGAAATTTGCTCAC 472
Db 2055 AAGTACATGCGGAGATCTCGAGGAGTGGAGTATCATCCAAAGAGGGCATCGTGAC 2114
QY 473 TTGATCTCAAGCCAGAAACATTAATGTTTGAACAAGAAATTTCCATCCACATC 532
Db 2115 CTGAGCTCAAGCCGGAACATCATGTGTCAACAAAGCGGACCA-----GGATC 2168
QY 533 AAGCTGATTAAGCTTTGCTGCTGCTCAAGAAATGAAGATGAGTTGAATTTAAGAAAT 592
Db 2169 AAGCTCATGCACTTTGCTGTGCTGCGCAGGAGGCTGAGAAACCGGGGCTCTGAAGGCTC 2228
QY 593 TTTGGAGCCCGGAATTTGTTGCTCAGAAATTTGAATTCAGAGCCCTGGGCTGTGAG 652
Db 2229 TTTGGACCCCGGAATTTGTTGCTCCTGAAGTGAATCACTATGAGCCATCGGCTACGCC 2288
QY 653 GCTGACATGTGAGCACTAGCGCTCATCTACATCTCTTAAAGTGAAGATCTCCCTTTC 712
Db 2289 ACAGACATGTGAGCACTGGGGTCACTGCTACATCTTGAAGTGGCTTTCCCTTC 2348
QY 713 CTGGGAGACAGAAAGAGAAACACTGCGAAATATCACTAGTGAAGTTACGACTTTGAT 772
Db 2349 ATGGGAGACAAAGATACAAACCTTTGGCCAAAGTTACTGACGCACTGGGACCTTTCAG 2408
QY 773 GAGGAATTTTACGCACTACGAGCGAGCTGCGCAAGACTTTATTCGGAAGCTTGTGTT 832
Db 2409 GACGAGGCACTTGAAGATCTTCCGACGATGCCAAGAAATTTATCAGCAATGTGCTGAAG 2468
QY 833 AAAGAGACCCGGAACGGCTCACATCCAAAGAGGCTTCGAGACCC 878
Db 2469 AAAGATATGAATAACCGCTTGAGCTGACGCAAGCTTTCAGCATCC 2514
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RESULT 7
US-09-940-921B-6
/ Sequence 6, Application US/09940921B
/ Patent No. US20020147320A1
/ GENERAL INFORMATION:
/ APPLICANT: Fridde, Carl Johan
```

; APPLICANT: Hilbun, Erin  
 ; APPLICANT: Nepomichy, Boris  
 ; APPLICANT: Hu, Yi  
 ; TITLE OF INVENTION: No. US20020147320A1el Human Kinase Proteins and Polynucleotides E  
 ; FILE REFERENCE: LEX-0227-USA  
 ; CURRENT APPLICATION NUMBER: US/09/940, 921B  
 ; PRIOR FILING DATE: 2002-05-21  
 ; PRIOR APPLICATION NUMBER: US 60/229,280  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 6  
 ; LENGTH: 1167  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 US-09-940-921B-6

Query Match 10.7%; Score 187.2; DB 10; Length 1167;  
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;  
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

QY 109 AGAGAGCTGGGAGAGTGGCCAGTTGGCATGCTGTAAGAAGTCCGGGAGAGACGCGG 168  
 DB 327 AGAAATCTTAGAGAGAGGCGCTTTCGCCAGGTTCACAAAGTGTGAGAGACGCGCACAGG 386  
 QY 169 GCTTGAGTATGACGCAAGTTCATCAAGAAGCGGACAGCGCGGCGGCGGTGT 228  
 DB 387 TCTGAAGCTGGAGCCAAATATCATCAGAC-----CAGAGCATGAA 428  
 QY 229 GAGCCGGAGAGATGACAGCGGAGGTGAGCATCTCGCGGAGGTGTCACCAATGT 288  
 DB 429 GGACAAAGAGAGGAGTGAAGAAAGAGATGACGTCATGAACGCTGACACGCGAACCT 488  
 QY 289 CATACGCTGACGACGCTATGAGACCGCACCGTGGTGCATCTTGAAGTGT 348  
 DB 489 CATCAGCTGTACGATGCTTCGAGTCTTAAGAACGACATGTCTGGTGTAGAGTATGT 548  
 QY 349 GTCTGGAGAGAGCTCTTTCGA---TTTCTGGCCAGAGAGGATCACTGAGTGAAGGA 405  
 DB 549 GGATGTGGGAGAGCTGTGTAACCGCATCATGATGAGAGTCAATTTGACGAGCTTGA 608  
 QY 406 GGCACACGCTTCATTAAAGACAGATCTTGAGTGGGTGAATCACTTCAACAAAGAAAT 465  
 DB 609 TACCATCTGTTTCATGAAGACAGATATGTAGGGGATTAAGGACATGATCATAGATGAT 668  
 QY 466 TGCTCATCTTGTATCTCAAGCCAGAAACATTAATGTTGTAAGCAAGAAATATCCATTCC 525  
 DB 669 TCTCCACTTGGACCTGAAGCCCTGAGAAATATCTGTGTGTAATCGGATGCTAAG----- 723  
 QY 526 ACACATCAAGCTGATTTGACTTTGTCTGCTCAGAAATATGAAGATGGAGTTGAATTTAA 585  
 DB 724 -CAAAATAAATAATTTGATTTTGAATTTGATGGCCAGAAAGATACAAACCCAGAGAACTGAA 782  
 QY 586 GAATATTTTGGGAGCGCGGAATTTGTTGCTCCAGAAATGTAATGAACTGAGCCCTGGG 645  
 DB 783 GGTGAACCTTTGGAACCCAGAAATTTCTGCCCCCTGAAGTTGGAATTTGATTTGTTTC 842  
 QY 646 TCTGAGAGCTGACATGTGAGATAGCGGTCACTACATCACTCTTAAATGAGCATC 705  
 DB 843 ATTTCCCACTGACATGTGAGATGAGGAGTCACTCCCTATATGCTACTTAAGGAGTTTTC 902  
 QY 706 CCCTTTCTGGGAGACAGAGACAGAAACACTGGCAAAATTCATCATGATGAGTTAGA 765  
 DB 903 GCTTTTCTGGGTGACATGATGCTGAGACGCTGAACACATCTCGGCTGAGGTTGGGA 962  
 QY 766 CTTTGATGAGGAATTTCTTCAAGCATACAGCGAGCTGGCCAGAGACTTTATTCGAGACT 825  
 DB 963 CTTAAGAGATGAATTTCAAGACATCTCGAGAGAGGCGCAAGAGTTCATCTTAAAGT 1022  
 QY 826 TCTGTATTAAGAGACCGGAAACGCTCAATCCAAAGGCTCTCAGACACCTCTGAT 885  
 DB 1023 TCTGTATTAAGGAGAGAGTGGCGAATATGTCAGAGCAAGCTCTCAAGCACCTCTGAT 1082

RESULT 8  
 US-09-940-921B-8  
 ; Sequence 8, Application US/09940921B  
 ; Patent No. US20020147320A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Fridde, Carl Johan  
 ; APPLICANT: Hilbun, Erin  
 ; APPLICANT: Nepomichy, Boris  
 ; APPLICANT: Hu, Yi  
 ; TITLE OF INVENTION: No. US20020147320A1el Human Kinase Proteins and Polynucleotides  
 ; FILE REFERENCE: LEX-0227-USA  
 ; CURRENT APPLICATION NUMBER: US/09/940, 921B  
 ; PRIOR FILING DATE: 2002-05-21  
 ; PRIOR APPLICATION NUMBER: US 60/229,280  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 8  
 ; LENGTH: 1197  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 US-09-940-921B-8

Query Match 10.7%; Score 187.2; DB 10; Length 1197;  
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;  
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

QY 109 AGAGAGCTGGGAGAGTGGCCAGTTGGCATGCTGTAAGAAGTCCGGGAGAGACGCGG 168  
 DB 327 AGAAATCTTAGAGAGAGGCGCTTTCGCCAGGTTCACAAAGTGTGAGAGACGCGCACAGG 386  
 QY 169 GCTTGAGTATGACGCAAGTTCATCAAGAAGCGGACAGCGCGGCGGCGGTGT 228  
 DB 387 TCTGAAGCTGGAGCCAAATATCATCAGAC-----CAGAGCATGAA 428  
 QY 229 GAGCCGGAGAGATGACAGCGGAGGTGAGCATCTCGCGGAGGTGTCACCAATGT 288  
 DB 429 GGACAAAGAGAGGAGTGAAGAAAGAGATGACGTCATGAACGCTGACACGCGAACCT 488  
 QY 289 CATACGCTGACGACGCTATGAGACCGCACCGTGGTGCATCTTGAAGTGT 348  
 DB 489 CATCAGCTGTACGATGCTTCGAGTCTTAAGAACGACATTTGCTGGTGTAGAGTATGT 548  
 QY 349 GTCTGGAGAGAGCTCTTTCGA---TTTCTGGCCAGAGAGGATCACTGAGTGAAGGA 405  
 DB 549 GGATGTGGGAGAGCTGTGTAACCGCATCATGATGAGAGCTTAATTTGAGAGCTTGA 608  
 QY 406 GGCACACGCTTCATTAAAGACAGATCTTGATGGGTGAATCACTTCAACAAAGAAAT 465  
 DB 609 TACCATCTGTTTCATGAAGACAGATATGTAGGGGATTAAGGACATGATCATGATGAT 668  
 QY 466 TGCTCATCTTGTATCTCAAGCCAGAAACATTAATGTTGTAAGCAAGAAATATCCATTCC 525  
 DB 669 TCTCCACTTGGACCTGAAGCCCTGAGAAATATCTGTGTGTAATCGGATGCTAAG----- 723  
 QY 526 ACACATCAAGCTGATTTGACTTTGTCTGCTCAGAAATATGAAGATGGAGTTGAATTTAA 585  
 DB 724 -CAAAATAAATAATTTGATTTTGAATTTGATGGCCAGAAAGATACAAACCCAGAGAACTGAA 782  
 QY 586 GAATATTTTGGGAGCGCGGAATTTGTTGCTCCAGAAATGTAATGAACTGAGCCCTGGG 645  
 DB 783 GGTGAACCTTTGGAACCCAGAAATTTCTGCCCCCTGAAGTTGGAATTTGATTTGTTTC 842  
 QY 646 TCTGAGAGCTGACATGTGAGATAGCGGTCACTACATCACTCTTAAATGAGCATC 705  
 DB 843 ATTTCCCACTGACATGTGAGATGAGGAGTCACTCCCTATATGCTACTTAAGGAGTTTTC 902  
 QY 706 CCCTTTCTGGGAGACAGAGACAGAAACACTGGCAAAATTCATCATGATGAGTTAGA 765  
 DB 903 GCTTTTCTGGGTGACATGATGCTGAGACGCTGAACACATCTCTGGCTCAGAGTTGGGA 962  
 QY 766 CTTTGATGAGGAATTTCTTCAAGCATACAGAGAGCTGGCCAGAGACTTTATTCGAAGCT 825

Db 963 CTTAGAGAGTGAAGATTTCAGGACATCTCGAGAGAGGACCAAGATTCTCTTAAGCT 1022  
 QY 826 TCTGGTTAAAGAGACCGGAGAAACGGCTCAACATCCAGAGAGCTCTCAGACACCCCTGGAT 885  
 Db 1023 TCTGATTAAAGAGAAAGATTGGCGAATTAAGTGCAGGAGGCTCTCAAGCACCCTGGTT 1082

# RESULT 9 US-09-940-921B-10

; Sequence 10, Application US/09940921B  
 ; Patent No. US20020147320A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Fiddler, Carl Johan  
 ; APPLICANT: Hilbun, Erin  
 ; APPLICANT: Nepomniichy, Boris  
 ; APPLICANT: Hu, Yi  
 ; TITLE OF INVENTION: NO. US20020147320A1 Human Kinase Proteins and Polynucleotides  
 ; FILE REFERENCE: LEX-0227-USA  
 ; CURRENT APPLICATION NUMBER: US/09/940,921B  
 ; PRIOR FILING DATE: 2002-05-21  
 ; PRIOR APPLICATION NUMBER: US 60/229,280  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 10  
 ; LENGTH: 1744  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 ; US-09-940-921B-10

Query Match 10.7%; Score 187.2; DB 10; Length 1744;  
 Best Local Similarity 55.8%; Pred. No. 2,7e-48;  
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

QY 109 AGAGAGCTGGGGAGTGGCCAGTTTCCATCGTAAGAGATCCCGGAGAAAGACAGCGG 168  
 Db 608 AGAAATCTTAAGAGAGAGGGGTTTCGCAAGTTCAAGGTGAGAGACGCGCCACAGG 667  
 QY 169 GCTTGAATGACAGCCAGTTTCATCAAGAGGCGGACAGCGCGGAGCGCGGCTGT 228  
 Db 668 TCTGAAGCTGGCAGCCAAATCATCAAGC-----CAGAGCATGAA 709  
 QY 223 GAGCGGAGAGAGATGAGCGGAGGTGACATCTCGCGCAGTGTGACACCAATGT 288  
 Db 710 GACAAAGAGAGGTGAAGACAGATCAGCTCATGAACAGCTGAGACCAAGCAACT 769  
 QY 289 CATCAGCTGACAGAGCTATGAGAACCGACCGAGTGTGACATCTTGAAGT 348  
 Db 770 CATCCAGCTGTAGATGCTTGAAGTCTAAGAACGACATTTGCTGTGATGAGATGT 829  
 QY 349 GTCTGAGAGAGCTTTTGA---TTTCTGCGCCAGAGAGATGACATGATGAGAGGA 405  
 Db 830 GATGATGGGAGCTGTGTTGACCGCATCATGATGAGAGCTCAATTTGAGGAGCTTGA 889  
 QY 406 GGGCCAGAGCTTCATTAAGACATCTGATGGGTGAATCTCTTACACAAAGAAAT 465  
 Db 890 TACCACTCTGTTATGAGACAGATATGTAGGGGATTAAGGCAATGATCAGATATGAT 949  
 QY 466 TGTCTGATTTGATCTCAAGCCAGAAACATATGTTGTTAGACAGAAATATTTCCATTC 525  
 Db 950 TCTCACTTTGAGCTGAGAGCTGAGAAATATCTGTGTGAAATGGGATGCTAAG----- 1004  
 QY 526 ACACATCAAGCTGATTTGATTTGTGTGCTCAGAAAATAGAAATGAGATGAGATTGAA 585  
 Db 1005 -CAAAATAAAATTAATGATTGTTGATTGGCCAGAGATACAAACCCAGAGAGAGCTGAA 1063  
 QY 586 GAATATTTTGGGAGCGCGGAAATTTGTGTCTCCAAATTTGAAATCTGAGAGCCCTGGG 645  
 Db 1064 GGTGAATTTGGAGCCCAAGAAATTTCTGCGCCCTGAAGTGTGAATGATTTTGTTC 1123  
 QY 646 TCTGAGGCTGACATGTGAGAGATGAGCGTCACTACATCTCTTAAGTGGAGATC 705

Db 1124 ATTTCCACTGACATGATGAGATGAGGGGTATCGCCTATATGCTACTTACGGGTTTGC 1183  
 QY 706 CCGTTTCTGAGAGACAGAAAGCACTGCAAAATATCAATCATGATGATTACGA 765  
 Db 1184 GCGTTTCTGAGAGCAATATGCTGAGACGCTGAACAAATCTGGCCTGAGGTGGGA 1243  
 QY 766 CTTGATGAGAAATCTTACAGCATGAGAGAGTGGCCAAAGACTTATTTGGAAGCT 825  
 Db 1244 CTTAAGAGATGAGAAATTTACAGACATCTCGAGAGGCGCAAGAGTTTATCTTAAGCT 1303  
 QY 826 TCTGTTAAAGAGACCGGAAACGGCTCACAATCCAGAGGCTCTCAGACACCCCTGGAT 885  
 Db 1304 TCTGATTAAAGAGAAAGATTGGCGAATTAAGTCAAGAGAGCTCTCAAGCACCCTGGTT 1363

# RESULT 10 US-09-797-039-9

; Sequence 9, Application US/09797039  
 ; Patent No. US20020042099A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Olander, Peter J.  
 ; APPLICANT: Kapeller-Liebermann, Rosana  
 ; TITLE OF INVENTION: 2504, 15977, AND 14760, NOVEL PROTEIN  
 ; FILE REFERENCE: KINASE FAMILY MEMBERS AND USES THEREFOR  
 ; CURRENT APPLICATION NUMBER: US/09/797,039  
 ; PRIOR FILING DATE: 2001-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/186,061  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 9  
 ; LENGTH: 1788  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-797-039-9

Query Match 9.5%; Score 165.8; DB 10; Length 1788;  
 Best Local Similarity 54.0%; Pred. No. 1,6e-41;  
 Matches 422; Conservative 0; Mismatches 332; Indels 27; Gaps 3;

QY 110 GAGAGCTGGGAGTGGCCAGTTTGCATGCTGAAGATCCCGGAGAAAGACAGCGG 169  
 Db 865 GAGCGCTCGGAGGTGCGCAATTTGGGCGAGTGTACTGTCATGAGAGAAAGCCAGGCG 924  
 QY 170 CTTAGATGAGCAAGTTCATCAAGACGCGAGAGCCGGGAGAGCGGCGGTGTG 229  
 Db 925 CTCAAGCTGGACCAAGTGTATCAAGAAACAGACTCCCAAGACAA----- 971  
 QY 230 AGCGGAGAGATCGAGCGGAGGTGAGCATCTCGCGAGGTGCTGACCAATGTC 289  
 Db 972 -----GGAATGTTGTGCTGAGATTTGAGGTATGAGACAGCTGAACACCGAACTG 1026  
 QY 290 ATCAGCTGACAGAGCTGTATGAGAACCGACCGAGCTGTGACATCTTGAAGTGTG 349  
 Db 1027 ATCAGCTGTATGAGAGCATGAGACTCCCATGAGATCGTCTGTTATGAGATCATC 1086  
 QY 350 TCTGAGAGAGAGCTTTCGA---TTTCTGCGCCAGAGAGATCACTGATGAGAGAG 406  
 Db 1087 GAGGCGGAGAGCTTTTCGAGAGATTTGATGAGAGCTACATCTGACGAGGTGAGAC 1146  
 QY 407 GCCACAGCTTCAATTAAGAGATCTGATGGGTGAATCACTTCCACAAAGAAAT 466  
 Db 1147 ACATGAGTTTGTGACGAGCATCTGAGAGGATCTCTTCAATGACAAAGATGAGGTT 1206  
 QY 467 GCTCACTTATCTCAAGCCAGAAACATATGTTGTTAGACAAAGATATTTCCATTTCA 526  
 Db 1207 TTGACCTTGACCTCAAGCCAGAGAAATCTGTGTGTAACACCA-----CCGGGAT 1260  
 QY 527 CACATCAAGCTGATGATTTGTGCTGCGGTCAAGAAATAGAAATGAGATGAGATTGA 586  
 Db 1261 TTGATGAAGATCAATGACTTTGCTGCGGACGAGGATATACCCCAAGAGAGCTGAG 1320



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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 7320
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC015914.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
; US-09-864-761-7320

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Query Match      8.8%; Score 154; DB 10; Length 513;
Best Local Similarity 94.1%; Pred. No. 3.9e-38;
Matches 160; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

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QY 687 TCCTTTAAGTGAAGATCCCTTCTCTGGAGACACGAGAGAGAAACACTGGCAATA 746
DB 62 TCAGCTTAAGTGAAGATCCCTTCTCTGGAGACACGAGAGAGAAACACTGGCAATA 121
QY 747 TCACATTCAGTGAAGTACGACTTGTGATGAGAGATTCTTGCACATCGAGCGAGTGGCCA 806
DB 122 TCACGACGAGTGAAGTACGACTTGTGATGAGAGATTCTTGCACGAGCGAGTGGCCA 181
QY 807 AGGACTTATTCGGAAGCTTCTGTGTTAAGAGACCCGGAAGCGCTCACA 856
DB 182 AGGACTTATTCGGAAGCTTCTGTGTTAAGAGACCCGGAAGCGCTCACA 231

RESULT 13
US-09-864-761-24050
; Sequence 24050, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aemica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03

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; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 24050
; LENGTH: 153
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC015914.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
; OTHER INFORMATION: SWISSPROT HIT: P53355, EVALU6 5.00e-17
; OTHER INFORMATION: NT HIT: AB018001.1, EVALU6 4.00e-81
; OTHER INFORMATION: EST_HUMAN HIT: AW603538.1, EVALU6 6.00e-81
; US-09-864-761-24050

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Query Match      8.6%; Score 149.8; DB 10; Length 153;
Best Local Similarity 98.7%; Pred. No. 4.1e-37;
Matches 151; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 691 CTTAAGTGAAGATCCCTTCTCTGGAGACACGAGAGAGAAACACTGGCAATATAC 750
DB 1 CTTAAGTGAAGATCCCTTCTCTGGAGACACGAGAGAGAAACACTGGCAATATAC 60
QY 751 ATCAGTGAAGTGAAGCTTGTGATGAGAGATTCTTCAAGCATACGAGAGCTGGCCAAAGA 810
DB 61 AGCAGTGAAGTGAAGCTTGTGATGAGAGATTCTTCAAGCATACGAGAGCTGGCCAAAGA 120
QY 811 CTTATTCGGAAGCTTCTGTGTTAAGAGACCCG 843
DB 121 CTTATTCGGAAGCTTCTGTGTTAAGAGACCCG 153

RESULT 14
US-10-024-0368-3
; Sequence 3, Application US/100240368
; Publication No. US2003002804A1
; GENERAL INFORMATION:

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APPLICANT: Bandaru, Rajasekhara  
TITLE OF INVENTION: 68730 and 69112, Protein Kinase  
FILE REFERENCE: MP12000-521PIR(M)  
CURRENT APPLICATION NUMBER: US/10/024,036B  
CURRENT FILING DATE: 2001-12-17  
PRIOR APPLICATION NUMBER: 60/258222  
PRIOR FILING DATE: 2000-12-22  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1074  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-024-036B-3

Query Match 8.4%; Score 146.2; DB 9; Length 1074;  
Best Local Similarity 52.7%; Pred. No. 1,8e-35;  
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;

QY 242 ATCGACGGAGGTGAGATCTCGCGAGGTGTCACCAATGTCATCAGCGTGCAC 301  
DB 196 ATAGAGATGAGATAGCGCTCTGAGAAAGATTAGCATGAAATATTGTCCTGGA 255  
QY 302 GACGCTATGAGAACCGACCGAGCTGTGCATCTTGAAGTATGTCTGAGAGAG 361  
DB 256 GACATTTATGAAAGCCCAATCAGCTGTATCTGTGATGACGCTGTGCGGTGAGAG 315  
QY 362 CTCTTCATTTCTGCGCCAGAGAGTCACTGAGTGAAGAGAGCCACGCTTCATT 421  
DB 316 CTGTTTGACCGAGATAGTGAAGAGGGGTTTATACAGAGAGAGCCAGACCTGTATC 375  
QY 422 AAGCATCTCGATGGGTGAACTACCTTCACACAAAGAAATGTCACCTTGATCTC 481  
DB 376 CGCAGATCTTGAGACCGCTGTACTATCTCCAGAAAGGCGATGTCCACAGAGACTC 435  
QY 482 AAGCAGAAAATTATGTTGTAGACAAAGATATTCATTCACACATCAAGCTGATT 541  
DB 436 AAGCCGAAAA--TCTCTTGTACTACAGTCAAGATGAGAGTCCAAAATATATGATCAGT 492  
QY 542 GACTTTGATCTGCGTCAAGAAATAGAAATGAGTGAATTTAAGAAATTTTGGACG 601  
DB 493 GACTTTGATGTCAAAAATGAGAGGCAAGAGATGTGATGTCCACGCTGTGGAAGT 552  
QY 602 CCGGAATTTGTTGCTCCAGAAATGTGAATACAGAGCCCTGCGGTGAGAGCTGACATG 661  
DB 553 CAGGCTATGTGCTCTGAAAGTCTCGCCAGAAACCTTACAGCAAAAGCGTTGACTGC 612  
QY 662 TGGAGCATAGGCGTCACTACCTCTTAAAGTGAAGCATCCCTTTCTCGGAGAC 721  
DB 613 TGGTCCATCGGAGATGATGCTACATCTTGCTCTGCGGCTACCTCTTTTATGATGAA 672  
QY 722 ACGAAGCAGAAAACCTGGCAAAATACATCAGTGAATGAGTTCAGACTTTGATGAGAAATTC 781  
DB 673 AATGCTCCAAAGCTCTTGAAGAGATCTCAAGCGGAATATGATTTGACTCTCCATC 732  
QY 782 TTCAAGCATAGAGAGCTGCGCAAGACTTTATTCGAGAGCTCTGATTAAGAGACC 841  
DB 733 TGGATGATCTCTCGCATCTGCAAAAGACTTTCATTTGGAACCTGATGAGAGAGACCG 792  
QY 842 CGGAAAGCGCTCACAATCCAGAGAGCTCTCAGACACCCCTGGATCAG 888  
DB 793 AATTAAGATACAGCTGTGAGAGGAGCTCGGACCCATGATGCTC 839

RESULT 15  
US-09-835-788A-6  
Sequence 6, Application US/09835788A  
Patent No. US20020077458A1  
GENERAL INFORMATION:  
APPLICANT: NI et al.  
TITLE OF INVENTION: Death Domain-Containing Receptor Polynucleotides, Polypeptides, and Antibodies

FILE REFERENCE: PT018P1  
CURRENT APPLICATION NUMBER: US/09/835, 788A  
CURRENT FILING DATE: 2001-04-17  
PRIOR APPLICATION NUMBER: PCT/US00/28666  
PRIOR FILING DATE: 2000-10-17  
PRIOR APPLICATION NUMBER: 60/159,585  
PRIOR FILING DATE: 1999-10-18  
PRIOR APPLICATION NUMBER: 60/167,246  
PRIOR FILING DATE: 1999-11-24  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 1578  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-835-788A-6

Query Match 8.4%; Score 146.2; DB 10; Length 1578;  
Best Local Similarity 52.7%; Pred. No. 2,2e-35;  
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;

QY 242 ATCGACGGAGGTGAGATCTCGCGAGGTGTCACCAATGTCATCAGCGTGCAC 301  
DB 192 ATAGAGATGAGATAGCGCTCTGAGAAAGATTAGCATGAAATATTGTCCTGGA 251  
QY 302 GACGCTATGAGAACCGACCGAGCTGTGCATCTTGAAGTATGTCTGAGAGAG 361  
DB 252 GACATTTATGAAAGCCCAATCAGCTGTATCTGTGATGACGCTGTGCGGTGAGAG 311  
QY 362 CTCTTCATTTCTGCGCCAGAGAGTCACTGAGTGAAGAGAGCCACGCTTCATT 421  
DB 312 CTGTTTGACCGAGATAGTGAAGAGGGGTTTATACAGAGAGATGACAGACCTGTATC 371  
QY 422 AAGCATCTCGATGGGTGAACTACCTTCACACAAAGAAATGTCACCTTGATCTC 481  
DB 372 CGCAGATCTTGAGACCGCTGTACTATCTCCAGAAAGGCGATGTCCACAGAGACTC 431  
QY 482 AAGCAGAAAATTATGTTGTAGACAAAGATATTCATTCACACATCAAGCTGATT 541  
DB 432 AAGCCGAAAA--TCTCTTGTACTACAGTCAAGATGAGAGTCCAAAATATATGATCAGT 488  
QY 542 GACTTTGATCTGCGTCAAGAAATAGAAATGAGTGAATTTAAGAAATTTTGGACG 601  
DB 489 GACTTTGATGTCAAAAATGAGAGGCAAGAGATGTGATGTCCACGCTGTGGAAGT 548  
QY 602 CCGGAATTTGTTGCTCCAGAAATGTGAATACAGAGCCCTGCGGTGAGAGCTGACATG 661  
DB 549 CAGGCTATGTGCTCTGAAAGTCTCGCCAGAAACCTTACAGCAAAAGCGTTGACTGC 608  
QY 662 TGGAGCATAGGCGTCACTACCTCTTAAAGTGAAGCATCCCTTTCTCGGAGAC 721  
DB 609 TGGTCCATCGGAGATGATGCTACATCTTGCTCTGCGGCTACCTCTTTTATGATGAA 668  
QY 722 ACGAAGCAGAAAACCTGGCAAAATATACATCAGTGAATGAGTTCAGACTTTGATGAGAAATTC 781  
DB 669 AATGCTCCAAAGCTCTTGAAGAGATCTCAAGCGGAATATGATTTGACTCTCCATC 728  
QY 782 TTCAAGCATAGAGAGCTGCGCAAGACTTTATTCGAGAGCTCTGATTAAGAGACC 841  
DB 729 TGGATGATCTCTCGCATCTGCAAAAGACTTTCATTTGGAACCTGATGAGAGAGACCG 788  
QY 842 CGGAAAGCGCTCACAATCCAGAGAGCTCTCAGACACCCCTGGATCAG 888  
DB 789 AATTAAGATACAGCTGTGAGAGGAGCTCGGACCCATGATGCTC 835

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GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2003, 19:22:42 ; Search time 6.058 Seconds  
(without alignments)  
6074.810 Million cell updates/sec

Title: US-09-719-748-1\_COPY\_1022\_1141

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Sequence: 1 tcgctgacgaagaagtgca.....ggagagagagcagcctcc 120

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database:

Issued\_Patents\_NA: \*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	120	100.0	480	3	US-09-221-928-12 Sequence 12, Appl
3	120	100.0	480	3	US-09-221-527-12 Sequence 12, Appl
4	120	100.0	480	3	US-09-221-236-12 Sequence 12, Appl
5	120	100.0	480	3	US-09-221-416-12 Sequence 12, Appl
6	120	100.0	480	4	US-09-221-245-12 Sequence 12, Appl
7	120	100.0	480	4	US-09-163-115-12 Sequence 12, Appl
8	120	100.0	480	4	US-09-221-528-12 Sequence 12, Appl
9	120	100.0	480	4	US-09-593-553-12 Sequence 12, Appl
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15	120	100.0	1864	3	US-09-221-416-10 Sequence 10, Appl
16	120	100.0	1864	4	US-09-221-245-10 Sequence 10, Appl
17	120	100.0	1864	4	US-09-163-115-10 Sequence 10, Appl
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19	120	100.0	1864	4	US-09-593-553-10 Sequence 10, Appl
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22	30	25.0	6733	4	US-09-124-541-2 Sequence 2, Appl
23	28.8	24.0	2004	1	US-08-471-033-18 Sequence 18, Appl
24	28.8	24.0	2004	2	US-08-471-044-18 Sequence 18, Appl
25	28.8	24.0	2004	2	US-08-463-483A-18 Sequence 18, Appl
26	28.8	24.0	2004	2	US-08-471-046A-18 Sequence 18, Appl
27	28.8	24.0	2004	2	US-08-470-566B-18 Sequence 18, Appl

28	28.8	24.0	2004	2	US-08-469-334-18	Sequence 18, Appl
29	28.8	24.0	2004	3	US-09-300-529-18	Sequence 18, Appl
30	28.8	24.0	2576	1	US-08-471-033-35	Sequence 35, Appl
31	28.8	24.0	2576	2	US-08-471-044-35	Sequence 35, Appl
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35	28.8	24.0	2576	2	US-08-469-334-35	Sequence 35, Appl
36	28.8	24.0	2576	3	US-09-300-529-35	Sequence 35, Appl
37	28.8	24.0	2655	1	US-08-471-033-17	Sequence 17, Appl
38	28.8	24.0	2655	1	US-08-471-033-26	Sequence 26, Appl
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45	28.8	24.0	2655	2	US-08-470-566B-17	Sequence 17, Appl

#### ALIGNMENTS

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RESULT 1
US-09-221-235-12
Sequence 12, Application US/09221235
Patent No. 6043040
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-221-235-12
Query Match 100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCGCTGATGAGAGGTCGACCTGAGCCGGATGAGACCTGAGAACTGTGAGAGTAC 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 361 TCGCTGATGAGAGGTCGACCTGAGCCGGATGAGACCTGAGAACTGTGAGAGTAC 420
QY 61 ACTGAGAGGACATCGCCAGAGGAAAGCCTCCACCCAGGAGAGGAGCAGCCTCC 120
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 421 ACTGAGAGGACATCGCCAGAGGAAAGCCTCCACCCAGGAGAGGAGCAGCCTCC 480
RESULT 2
US-09-221-928-12
Sequence 12, Application US/09221928
Patent No. 6121030
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,928
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 12  
; LENGTH: 480  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(480)  
US-09-221-928-12

Query Match 100.0%; Score 120; DB 3; Length 480;  
Best Local Similarity 100.0%; Pred. No. 4.5e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60  
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420  
OY 61 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 120  
DB 421 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 480

RESULT 3  
US-09-221-527-12  
; Sequence 12, Application US/09221527  
; Patent No. 6146832  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMT-050  
; CURRENT APPLICATION NUMBER: US/09/221,527  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 480  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(480)  
US-09-221-527-12

Query Match 100.0%; Score 120; DB 3; Length 480;  
Best Local Similarity 100.0%; Pred. No. 4.5e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60  
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420  
OY 61 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 120  
DB 421 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 480

RESULT 4  
US-09-221-236-12  
; Sequence 12, Application US/09221236  
; Patent No. 6146841  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMT-050  
; CURRENT APPLICATION NUMBER: US/09/221,236  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 12

; LENGTH: 480  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(480)  
US-09-221-236-12

Query Match 100.0%; Score 120; DB 3; Length 480;  
Best Local Similarity 100.0%; Pred. No. 4.5e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60  
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420  
OY 61 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 120  
DB 421 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 480

RESULT 5  
US-09-221-416-12  
; Sequence 12, Application US/09221416  
; Patent No. 6153417  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMT-050  
; CURRENT APPLICATION NUMBER: US/09/221,416  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: 09/163,115  
; EARLIER FILING DATE: 1998-09-29  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 480  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(480)  
US-09-221-416-12

Query Match 100.0%; Score 120; DB 3; Length 480;  
Best Local Similarity 100.0%; Pred. No. 4.5e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60  
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420  
OY 61 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 120  
DB 421 ACTGAGAGGACATCGCCAGAGAAAGCCCTCCACCCAGGAGAGAGAGACGACACTCC 480

RESULT 6  
US-09-221-245-12  
; Sequence 12, Application US/09221245  
; Patent No. 6180358  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan  
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR  
; FILE REFERENCE: NMT-050  
; CURRENT APPLICATION NUMBER: US/09/221,245  
; EARLIER FILING DATE: 1998-12-28  
; EARLIER APPLICATION NUMBER: US 09/163,115  
; EARLIER FILING DATE: 1998-09-29  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 480

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-245-12
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Query Match          100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60
          |||
Db       361 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420

QY      61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGAGGACGACCTCC 120
          |||
Db       421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 480
```

## RESULT 7

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US-09-163-115-12
; Sequence 12, Application US/09163115A
; Patent No. 6183962
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/163,115A
; PRIOR FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-163-115-12
```

```
Query Match          100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60
          |||
Db       361 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420

QY      61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 120
          |||
Db       421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 480
```

## RESULT 8

```
US-09-221-528-12
; Sequence 12, Application US/09221528
; Patent No. 6190874
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,528
; PRIOR FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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```

; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-528-12
```

```
Query Match          100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60
          |||
Db       361 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420

QY      61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 120
          |||
Db       421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 480
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## RESULT 9

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US-09-593-553-12
; Sequence 12, Application US/09593553
; Patent No. 6200770
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-593-553-12
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```
Query Match          100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 60
          |||
Db       361 TCGCTGATGAAGAAGTGCACCTTGAGCGCCGATGAGACCTTGAGAACTGTGAGAGTGAC 420

QY      61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 120
          |||
Db       421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGACGACCTCC 480
```

## RESULT 10

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US-09-221-237-12
; Sequence 12, Application US/09221237
; Patent No. 6214597
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,237
; PRIOR FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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LOCATION: (1)..(480)  
US-09-221-237-12

Query Match 100.0%; Score 120; DB 4; Length 480;  
Best Local Similarity 100.0%; Pred. No. 4.5e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60  
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 420  
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 120  
DB 421 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 480

RESULT 11  
US-09-221-235-10

Sequence 10, Application US/09221235

Patent No. 6043040

GENERAL INFORMATION:

APPLICANT: Acton, Susan

TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050

CURRENT APPLICATION NUMBER: US/09/221,235

CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115

EARLIER FILING DATE:

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 10

LENGTH: 1864

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (275)..(754)

US-09-221-235-10

Query Match 100.0%; Score 120; DB 3; Length 1864;  
Best Local Similarity 100.0%; Pred. No. 5.8e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60  
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694  
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 120  
DB 695 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 754

RESULT 12  
US-09-221-928-10

Sequence 10, Application US/09221928

Patent No. 6121030

GENERAL INFORMATION:

APPLICANT: Acton, Susan

TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050

CURRENT APPLICATION NUMBER: US/09/221,928

CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115

EARLIER FILING DATE:

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 10

LENGTH: 1864

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (275)..(754)

US-09-221-928-10

Query Match 100.0%; Score 120; DB 3; Length 1864;  
Best Local Similarity 100.0%; Pred. No. 5.8e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60  
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694  
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 120  
DB 695 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 754

RESULT 13  
US-09-221-527-10

Sequence 10, Application US/09221527

Patent No. 6146832

GENERAL INFORMATION:

APPLICANT: Acton, Susan

TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050

CURRENT APPLICATION NUMBER: US/09/221,527

CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115

EARLIER FILING DATE:

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 10

LENGTH: 1864

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (275)..(754)

US-09-221-527-10

Query Match 100.0%; Score 120; DB 3; Length 1864;  
Best Local Similarity 100.0%; Pred. No. 5.8e-26;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60  
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694  
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 120  
DB 695 ACTGAGAGGACATCGCCAGAGAGAAAGCCTTCCACCCACGAGAGAGAGACGACCTCC 754

RESULT 14  
US-09-221-236-10

Sequence 10, Application US/09221236

Patent No. 6146841

GENERAL INFORMATION:

APPLICANT: Acton, Susan

TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050

CURRENT APPLICATION NUMBER: US/09/221,236

CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115

EARLIER FILING DATE:

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 10

LENGTH: 1864

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (275)..(754)

US-09-221-236-10

Query Match	100.0%;	Score 120;	DB 3;	Length 1864;
Best Local Similarity	100.0%;	Pred. No. 5.8e-26;		
Matches 120; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

Oy 1 TCGGTGATGAAGAAGTGCACTGAGGCCGGATAGGACCTGAGGAAC TGTGAGAGTGC 60  
 |||||  
 Db 635 TCGGTGATGAAGAAGTGCACTGAGGCCGGATAGGACCTGAGGAAC TGTGAGAGTGC 694

Oy 61 ACTGAGGAGCATCGCCAGGAGGAAAGCCCTCCACCCACGAGGAGGAGCAGCACTCC 120  
 Db 695 ACTGAGGAGCATCGCCAGGAGGAAAGCCCTCCACCCACGAGGAGGAGCAGCACTCC 754

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RESULT 15
US-09-221-416-10
/ Sequence 10, Application US/09221416
/ Patent No. 6133417
/ GENERAL INFORMATION:
/ APPLICANT: Acton, Susan
/ TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
/ FILE REFERENCE: NMI-050
/ CURRENT APPLICATION NUMBER: US/09/221,416
/ CURRENT FILING DATE: 1998-12-28
/ EARLIER APPLICATION NUMBER: 09/163,115
/ EARLIER FILING DATE: 1998-09-29
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 10
/ LENGTH: 1864
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (275)..(754)
/ US-09-221-416-10

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Query Match	100.0%;	Score 120;	DB 3;	Length 1864;
Best Local Similarity	100.0%;	Pred. No. 5.8e-26;		
Matches 120; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

Oy 1 TCGCTGATGAAGAGGTGCACCTTGAGGCCGGATAGAGCACTGTGAGAGTGC 60  
|||  
Dd 635 TCCTGATGAAGAGGTGCACCTTGAGGCCGGATAGAGCACTGTGAGAGTGC 694

**Oy**    61 ACTGAGGAGCATCGCCAGGAGGAAGGCCCTTCCACCCAGGAGGAGCAGCACTTC    120  
**Db**    695 ACTGAGGAGCATCGCCAGGAGGAAGGCCCTTCCACCCAGGAGGAGCAGCACTTC    754

Search completed: April 4, 2003, 20:54:09  
Job time : 7.058 secs

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RESULT 2
US-09-757-982-10
; Sequence 10, Application US/09757982
; Patent No. US20020094559A1
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan

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;; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

;; FILE REFERENCE: NMI-050  
;; CURRENT APPLICATION NUMBER: US/09/757,982  
;; CURRENT FILING DATE: 2001-01-10  
;; PRIOR APPLICATION NUMBER: 09/163,115  
;; PRIOR FILING DATE: 1998-09-29  
;; NUMBER OF SEQ ID NOS: 15  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 10  
;; LENGTH: 1864  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (275)..(754)  
US-09-757-982-10

Query Match 100.0%; Score 120; DB 10; Length 1864;  
Best Local Similarity 100.0%; Pred. No. 3.9e-29;  
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGCTGATGAAGAAGTGCACCTGAGCGCCGATGAGACCTTGAAGTGTGAC 60  
Db 635 TCGCTGATGAAGAAGTGCACCTGAGCGCCGATGAGACCTTGAAGTGTGAC 694  
Qy 61 ACTGAGGAGGACATGCGCCGAGGAAAGCCCTCCACCCGAGGAGGAGGACGACCTCC 120  
Db 695 ACTGAGGAGGACATGCGCCGAGGAAAGCCCTCCACCCGAGGAGGAGGACGACCTCC 754

RESULT 3  
US-09-863-049A-3

;; Sequence 3, Application US/09863049A  
;; Publication No. US20030032055A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Kenwick, Sue J.  
;; APPLICANT: Nelson, David L.  
;; APPLICANT: Aradhya, Swaroop  
;; APPLICANT: D'Urso, Michele  
;; APPLICANT: Woffendin, Hayley  
;; APPLICANT: Munnich, Arnold  
;; APPLICANT: Smahl, Asmaa  
;; APPLICANT: Israel, Alain  
;; APPLICANT: Poustka, Annemarie  
;; APPLICANT: Lewis, Richard A  
;; APPLICANT: Levy, Moise  
;; APPLICANT: Heiss, Nina  
;; TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def  
;; FILE REFERENCE: NEKAPPA B (NF-KB) Activation  
;; CURRENT APPLICATION NUMBER: US/09/863,049A  
;; CURRENT FILING DATE: 2001-05-22  
;; PRIOR APPLICATION NUMBER: US 60/206,223  
;; PRIOR FILING DATE: 2000-05-22  
;; NUMBER OF SEQ ID NOS: 77  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 3  
;; LENGTH: 2035  
;; TYPE: DNA  
;; ORGANISM: Human  
US-09-863-049A-3

Query Match 25.2%; Score 30.2; DB 9; Length 2035;  
Best Local Similarity 60.2%; Pred. No. 1.1;  
Matches 50; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

Qy 9 GAAGAAGTGCACCTGAGCGCGATGAGACCTGAGGACCTGAGAGTGCACCTGAGA 68  
Db 536 GAAGAAGTGCACCTGAGCGCGATGAGACCTGAGGACCTGAGAGTGCACCTGAGA 595  
Qy 69 GGACATGCCAGAGGAAAGCCC 91  
Db 596 GGACATGCCAGAGGAAAGCCC 618

RESULT 4

US-09-294-093B-5722  
;; Sequence 5722, Application US/09294093B  
;; Patent No. US20010051335A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ialigudi, Raghunath, V.  
;; APPLICANT: Ileo, Laura, Y.  
;; APPLICANT: Sherman, Bradley, K.  
;; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL  
;; FILE REFERENCE: PL-0009 US  
;; CURRENT APPLICATION NUMBER: US/09/294,093B  
;; CURRENT FILING DATE: 1999-04-16  
;; PRIOR APPLICATION NUMBER: 60/082,567  
;; PRIOR FILING DATE: April 21, 1998  
;; NUMBER OF SEQ ID NOS: 6207  
;; SOFTWARE: PERL Program  
;; SEQ ID NO 5722  
;; LENGTH: 250  
;; TYPE: DNA  
;; ORGANISM: Zea mays  
;; FEATURE:  
;; NAME/KEY: misc.feature  
;; OTHER INFORMATION: Incyte ID No. US20010051335A1 700382227H1  
;; NAME/KEY: unsure  
;; LOCATION: 25, 29, 78, 159, 223  
;; OTHER INFORMATION: a, t, c, g, or other  
US-09-294-093B-5722

Query Match 25.0%; Score 30; DB 10; Length 250;  
Best Local Similarity 53.6%; Pred. No. 1.1;  
Matches 60; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Qy 8 TGAAGAAGTGCACCTGAGCGCGGATGAGACCTGAGGAACTGAGAGTGCACCTGAGG 67  
Db 128 TGAAGAAGTGCACCTGAGCGCGGATGAGACCTGAGGAACTGAGAGTGCACCTGAGG 187  
Qy 68 AGGACATGCGCCGAGGAGGAAAGCCCTCCACCCGAGGAGGAGGACGACCTCC 119  
Db 188 GGTTCATGCGCTCCACATGCGCGCGCTCAAGNCGAGGCGCATACATCGTC 239

RESULT 5

US-09-764-868-1487  
;; Sequence 1487, Application US/09764868  
;; Patent No. US20020168711A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Rosen et al.  
;; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
;; FILE REFERENCE: PT32  
;; CURRENT APPLICATION NUMBER: US/09/764,868  
;; CURRENT FILING DATE: 2001-01-17  
;; Prior application data removed - refer to PALM or file wrapper  
;; NUMBER OF SEQ ID NOS: 1510  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 1487  
;; LENGTH: 22452  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-764-868-1487

Query Match 24.7%; Score 29.6; DB 9; Length 22452;  
Best Local Similarity 59.5%; Pred. No. 2.1;  
Matches 50; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 2 CCCTATGAAGAAGTGCACCTGAGCGCGGATGAGGACCTGAGGAACTGAGAGTGCACA 61  
Db 19120 CCCTATGAAGAAGTGCACCTGAGCGCGGATGAGGACCTGAGGAACTGAGAGTGCACA 19179  
Qy 62 CTGAGAGGACATGCGCCAGAGGA 85  
Db 19180 CTTTGGAGGCTGAGGCGAGGTGA 19203

## RESULT 6

US-09-764-868-1489  
; Sequence 1489, Application US/09764868  
; Patent No. US2002016871A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT232  
; CURRENT APPLICATION NUMBER: US/09/764,868  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION data removed - refer to PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1510  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 1489  
; LENGTH: 22452  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-868-1489

Query Match 24.7%; Score 29.6; DB 9; Length 22452;  
Best Local Similarity 59.5%; Pred. No. 2.1;  
Matches 50; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 2 CGCTGATGAGAGAGTGCACCTGAGCGCGGATGAGAGACCTGAGAACTGTGAGAGTGA 61  
DB 19120 CTCTCTTTAAGAGCATCACCTGAGCGCGGTGCGTGCCTCACACTGTATCTTACGA 19179  
QY 62 CTGAGAGAGCATGCCCGAGAGGA 85  
DB 19180 CTTTGGAGGCTGAGAGCATGGA 19203

## RESULT 7

US-09-835-232-7  
; Sequence 7, Application US/09835232  
; Patent No. US20020098489A1  
; GENERAL INFORMATION:  
; APPLICANT: Leder, Philip  
; TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 00383/052002  
; CURRENT APPLICATION NUMBER: US/09/835,232  
; PRIOR FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: US 60/196,811  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 170834  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1) \_ (170834)  
; OTHER INFORMATION: n= A,T,C, or G  
US-09-835-232-7

Query Match 24.3%; Score 29.2; DB 10; Length 170834;  
Best Local Similarity 54.7%; Pred. No. 3.3;  
Matches 58; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 5 TGTATGAAGAGTGCACCTGAGCGCGGATGAGAGACTGTGAGAGTGA 64  
DB 72085 TGTAAATGAATGTGATGTGAGGAGCATGAGACAGACTACAGGAAAGAGAGAGCATG 72144  
QY 65 AGAGAGATGCGCCAGAGGAAGCCCTCCACCCACGAGAGAGG 110  
DB 72145 AGAGAGATGCGCTGAGAGATGTGGCCAAACCACTGATGATCG 72190

## RESULT 8

US-10-163-866-51/c  
; Sequence 51, Application US/10163866  
; Publication No. US20030027188A1  
; GENERAL INFORMATION:  
; APPLICANT: EXELIXIS, INC.  
; TITLE OF INVENTION: SLCTs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE  
; FILE REFERENCE: EX02-080C  
; CURRENT APPLICATION NUMBER: US/10/163,866  
; PRIOR FILING DATE: 2002-06-05  
; PRIOR APPLICATION NUMBER: US 60/296,076  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: US 60/328,605  
; PRIOR FILING DATE: 2001-10-10  
; PRIOR APPLICATION NUMBER: US 60/338,733  
; PRIOR FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: US 60/357,253  
; PRIOR FILING DATE: 2002-02-15  
; PRIOR APPLICATION NUMBER: US 60/357,600  
; PRIOR FILING DATE: 2002-02-15  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 51  
; LENGTH: 1541  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-163-866-51

Query Match 23.8%; Score 28.6; DB 9; Length 1541;  
Best Local Similarity 54.2%; Pred. No. 3.5;  
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGTATGAAGAGTGCACCTGAGCGCGGATGAGAGACTGTGAGAGTGA 64  
DB 1167 TCATCACAACAGTGAACGAGGAGCGCACGGGCTGTGAGTGTGATCATGG 1108  
QY 65 AGAGAGATGCGCCAGAGGAAGCCCTCCACCCACGAGAGAGG 111  
DB 1107 AGAGATGAGAGGAGCGTGGCTTCCCGGACCCACAGAAAGAGC 1061

## RESULT 9

US-09-981-353-64  
; Sequence 64, Application US/09981353  
; Patent No. US20020160382A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy W.  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0038 US  
; CURRENT APPLICATION NUMBER: US/09/981,353  
; PRIOR FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program  
; SEQ ID NO 64  
; LENGTH: 1556  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20020160382A1 3231154CB1  
US-09-981-353-64

Query Match 23.8%; Score 28.6; DB 9; Length 1556;  
Best Local Similarity 54.2%; Pred. No. 3.5;  
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 6 GATGAAGAGTGCACCTGAGCGCGGATGAGAGACTGTGAGAGTGA 65  
DB 1181 GAGGAGAGAGGATGATCTACAGGCAAGAGAGAGAGGACTGCGCTGATATCCCC 1240  
QY 66 GGAGAGATGCGCCAGAGGAAGCCCTCCACCCACGAGAGAGAGCA 112



; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 7  
; LENGTH: 1621  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-163-866-7

Query Match 23.8%; Score 28.6; DB 9; Length 1621;  
Best Local Similarity 54.2%; Pred. No. 3.5;  
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGCACCTG 64  
DB 1190 TCATCAACACAGCTGTAACACAGAGGACGGCACGGGGGTGAGAGCTGTGGTGTGATCATGG 1131  
QY 65 AGGAGACATGGCCCGAGAGAAAGCCCTCCACCCACGAGAGAGAGC 111  
DB 1130 AGAGGATGAGAGGCGAGTGCGCTTCCCGGAGCCCGACAGAAAGAGC 1084

## RESULT 14

US-09-880-107-3437  
; Sequence 3437, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-MO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; PRIOR FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 3437  
; LENGTH: 2793  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U79725  
US-09-880-107-3437

Query Match 23.8%; Score 28.6; DB 10; Length 2793;  
Best Local Similarity 54.2%; Pred. No. 3.7;  
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 6 GATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGCACCTGA 65  
DB 1226 GAGGAGAGAGGAGATGACTACAGGCAAGAAGACAGAGAGACACTGGCGTGAATCCCC 1285  
QY 66 GGAGGACATCCCGAGAGAAAGCCCTCCACCCAGGAGAGAGAGCA 112  
DB 1286 GGACCACTCGACAGTACAGGCCAGCAGCAGAGGGCGCGAGAGA 1332

## RESULT 15

US-09-925-302-47  
; Sequence 47, Application US/09925302  
; Patent No. US20020044941A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: P0104  
; CURRENT APPLICATION NUMBER: US/09/925,302  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05918  
; PRIOR FILING DATE: 2000-03-08

; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 896  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 47  
; LENGTH: 3773  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-302-47

Query Match 23.8%; Score 28.6; DB 10; Length 3773;  
Best Local Similarity 64.2%; Pred. No. 3.8;  
Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 6 GATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGCACCTGA 65  
DB 2285 GCTGAAGATGTGCTGCTGCGAGGTGATGACGAGCGGAGAAAGCCCGAGCAGTACAGGA 2344  
QY 66 GGAGGAC 72  
DB 2345 CCAGGCC 2351

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